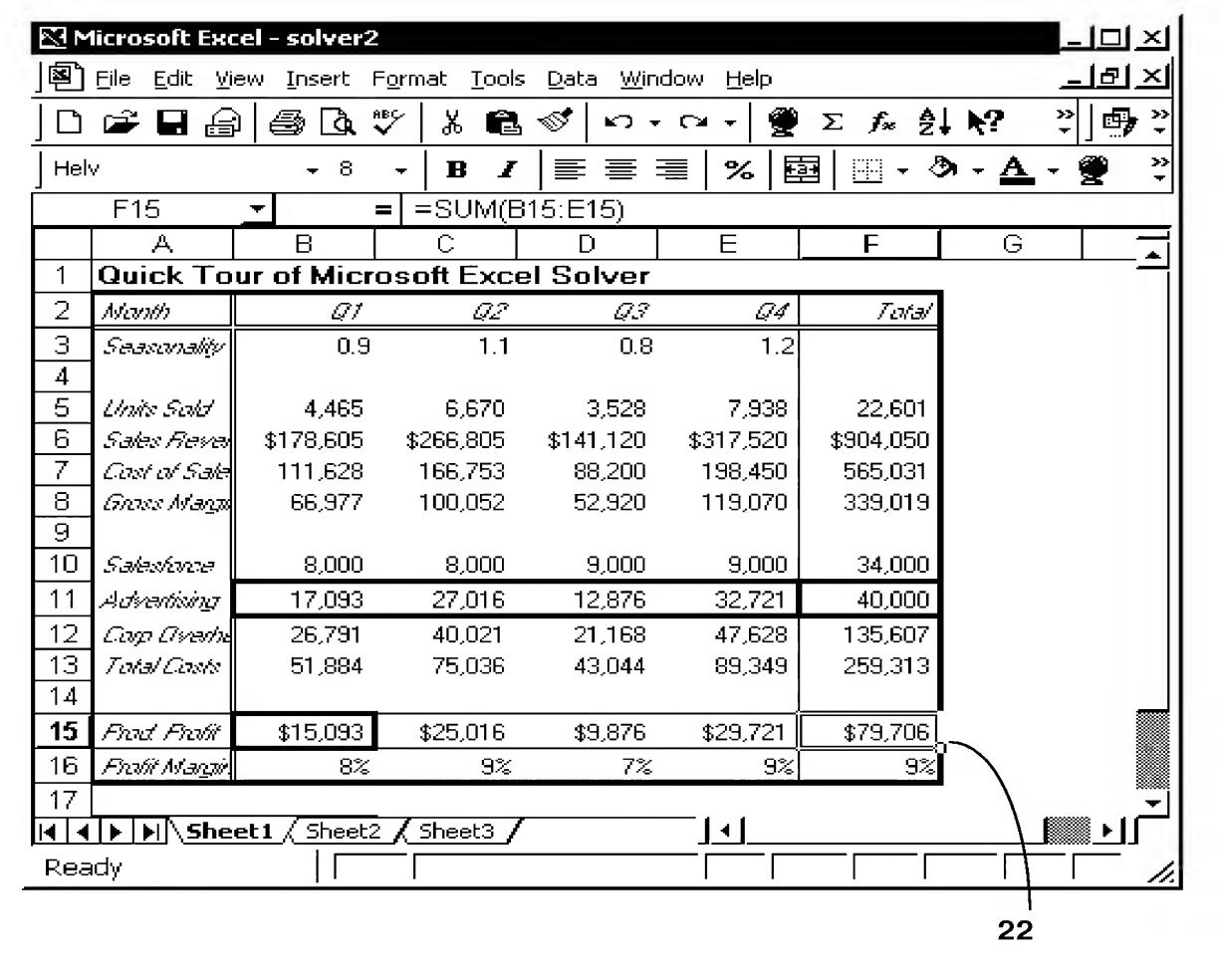
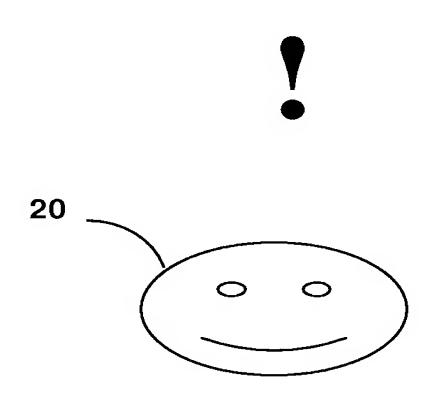


FIG. 1A





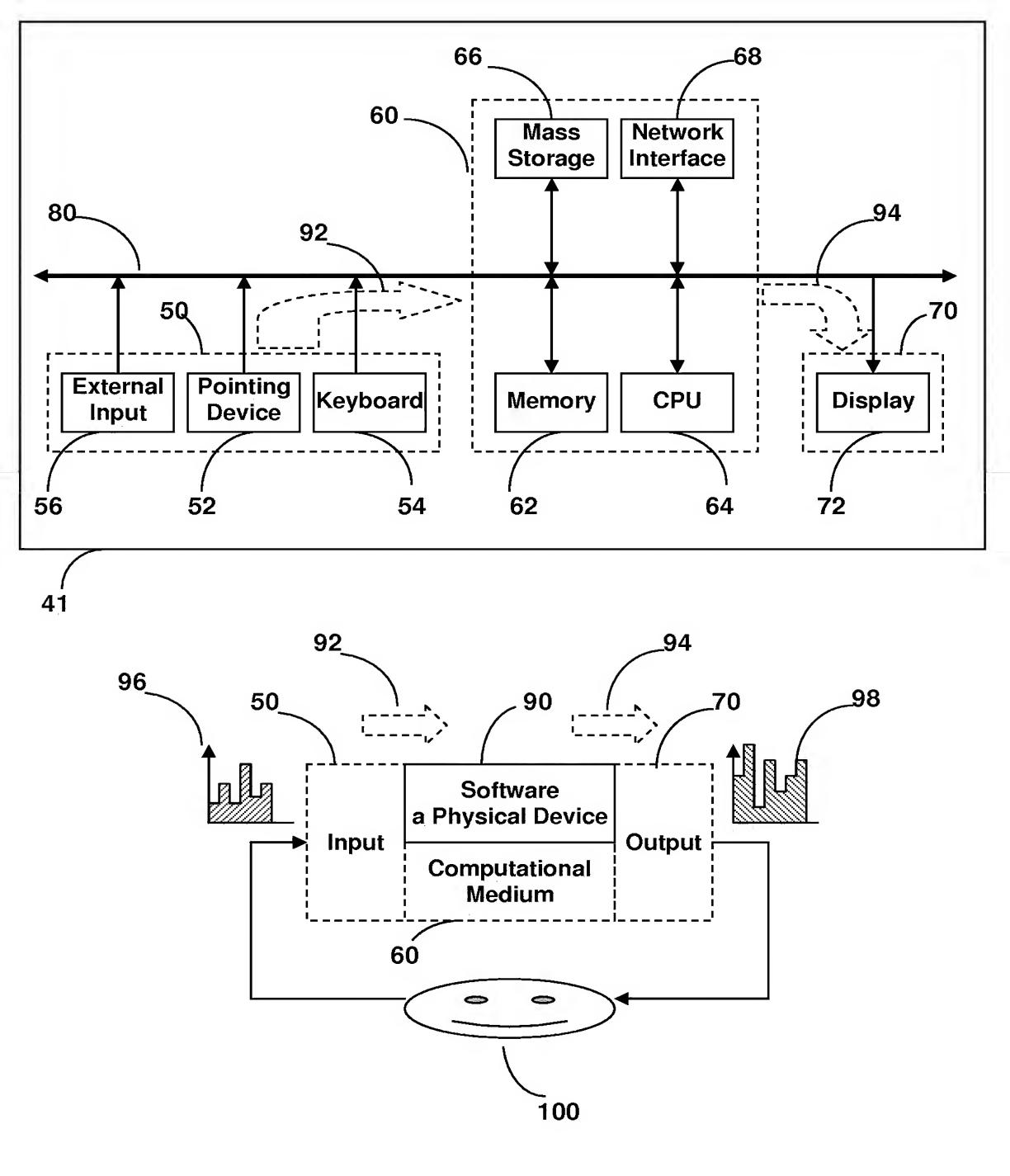


FIG. 1C

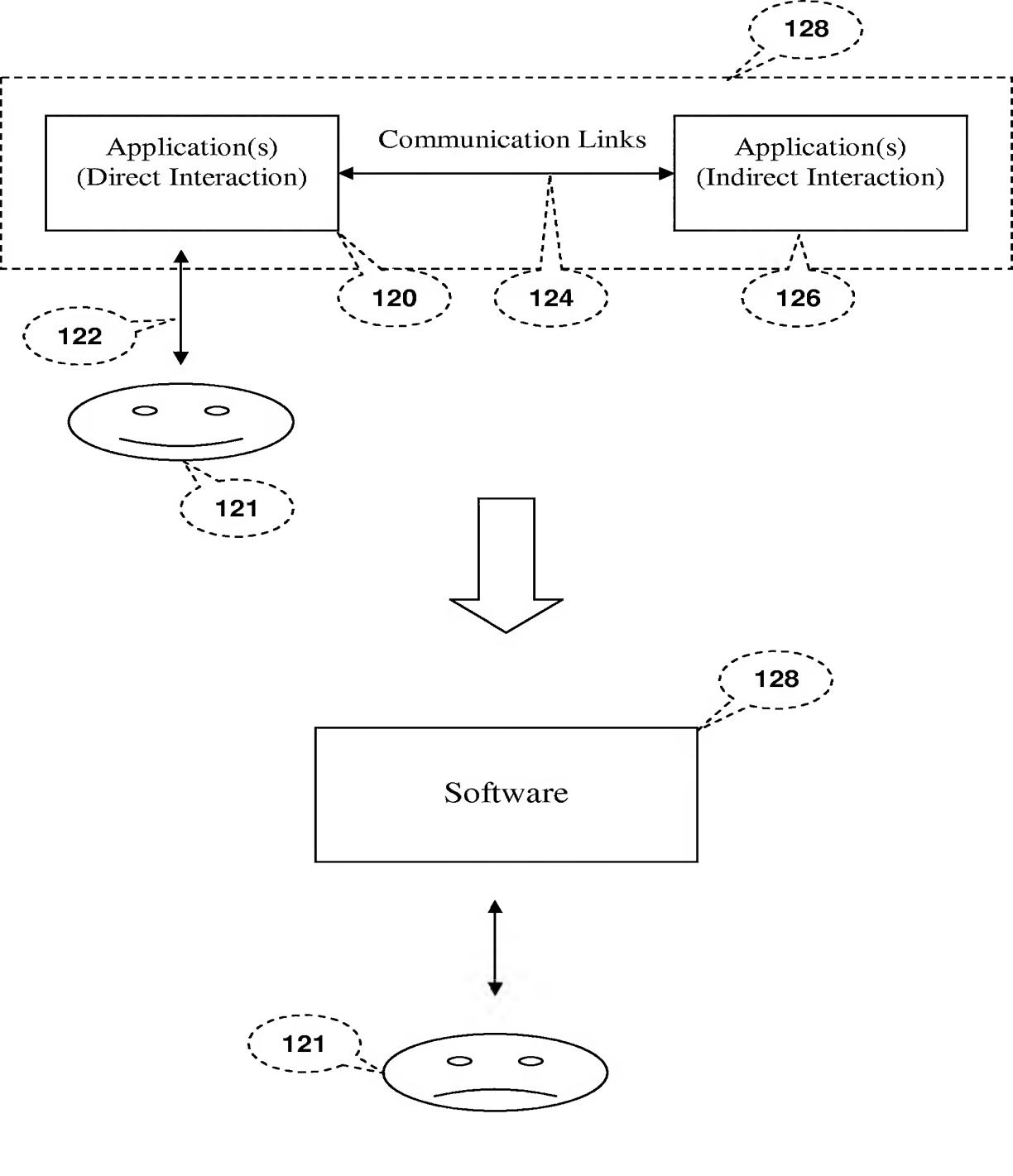
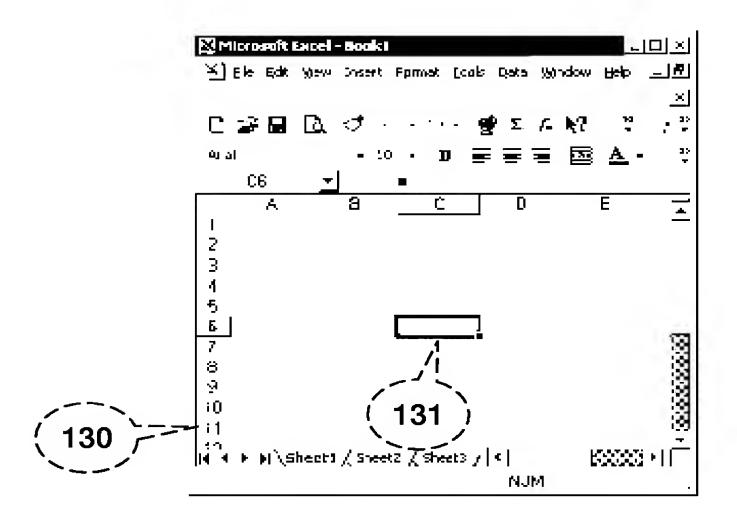


FIG. 2A



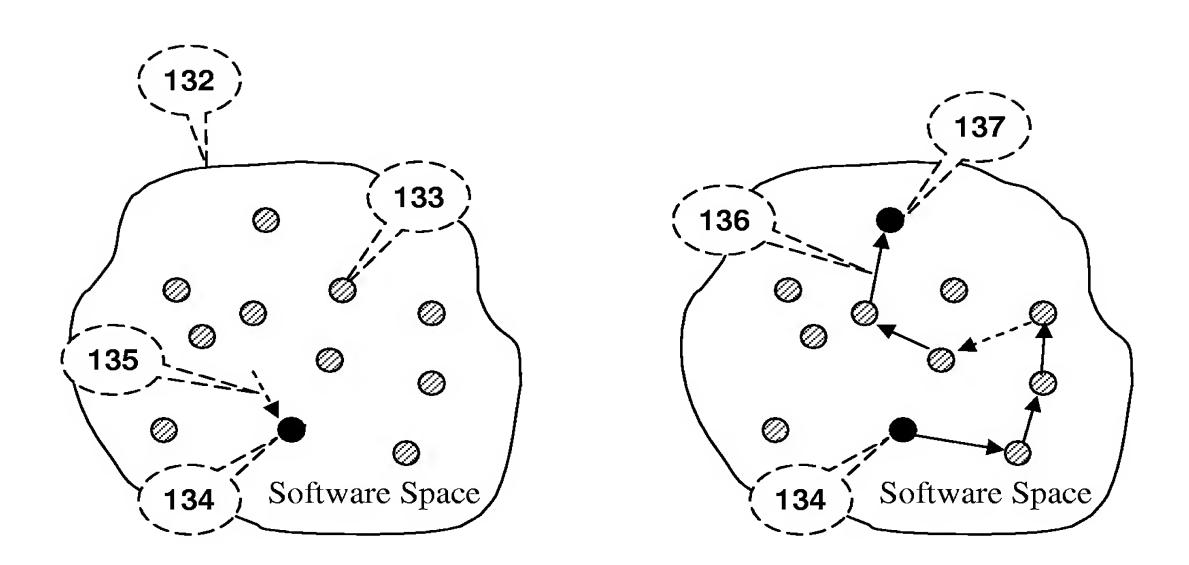
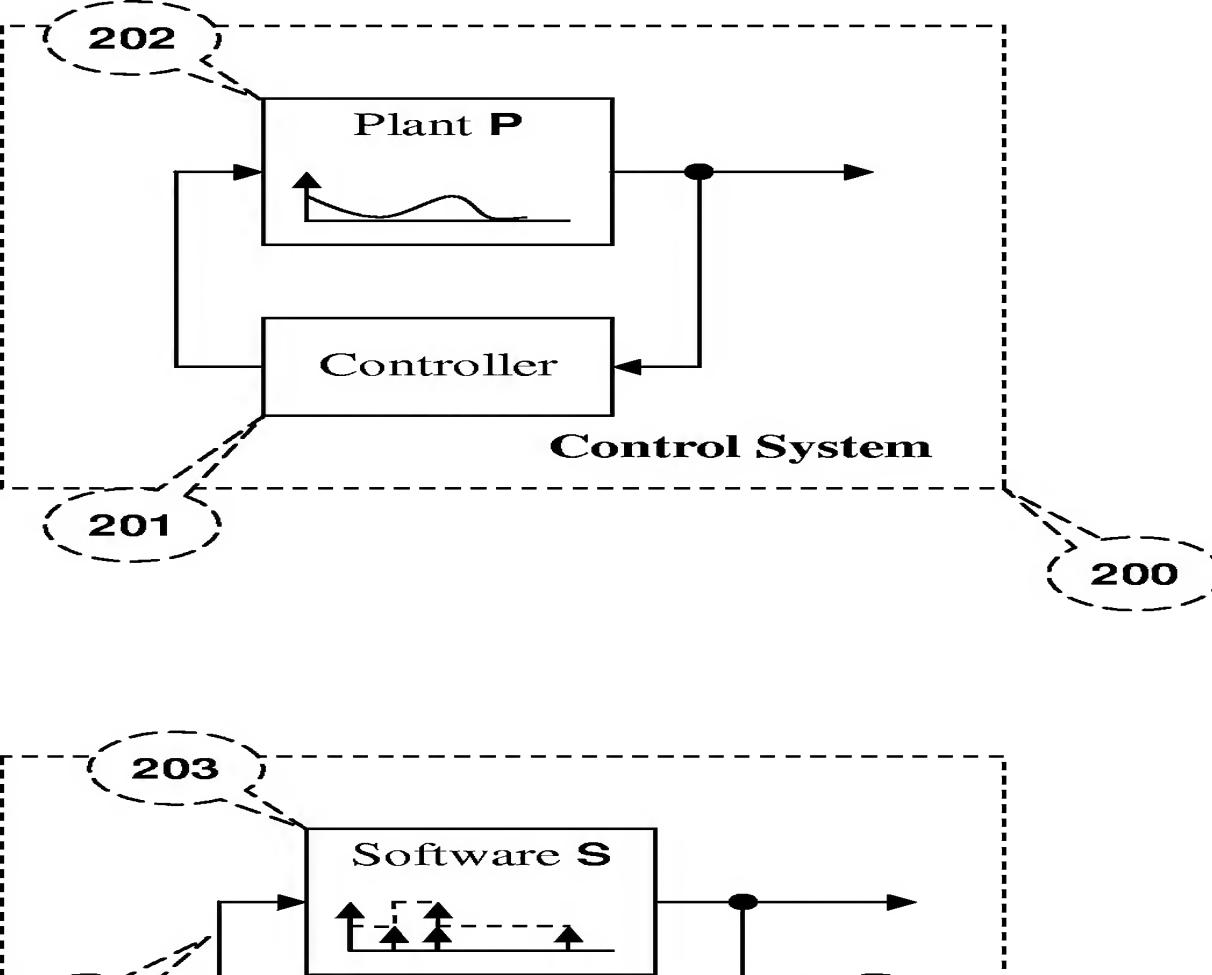


FIG. 2B



Software S

Agent A

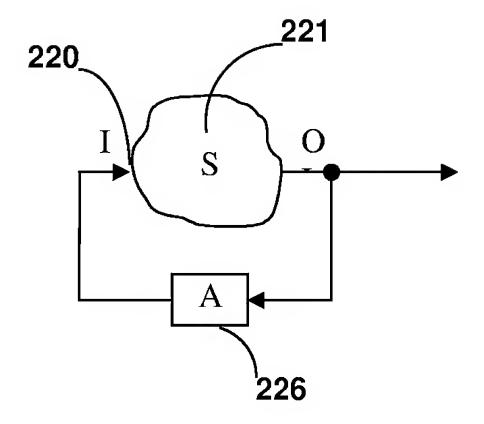
Software System

204

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FIG. 2C

FIG. 2D



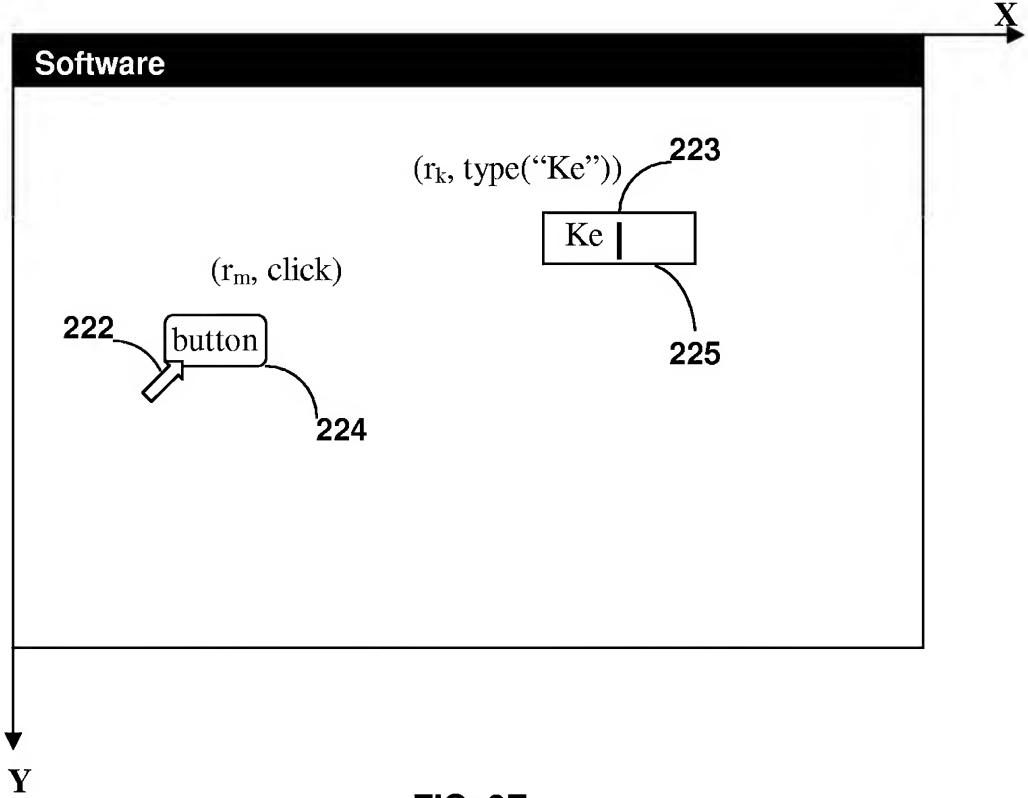


FIG. 2E

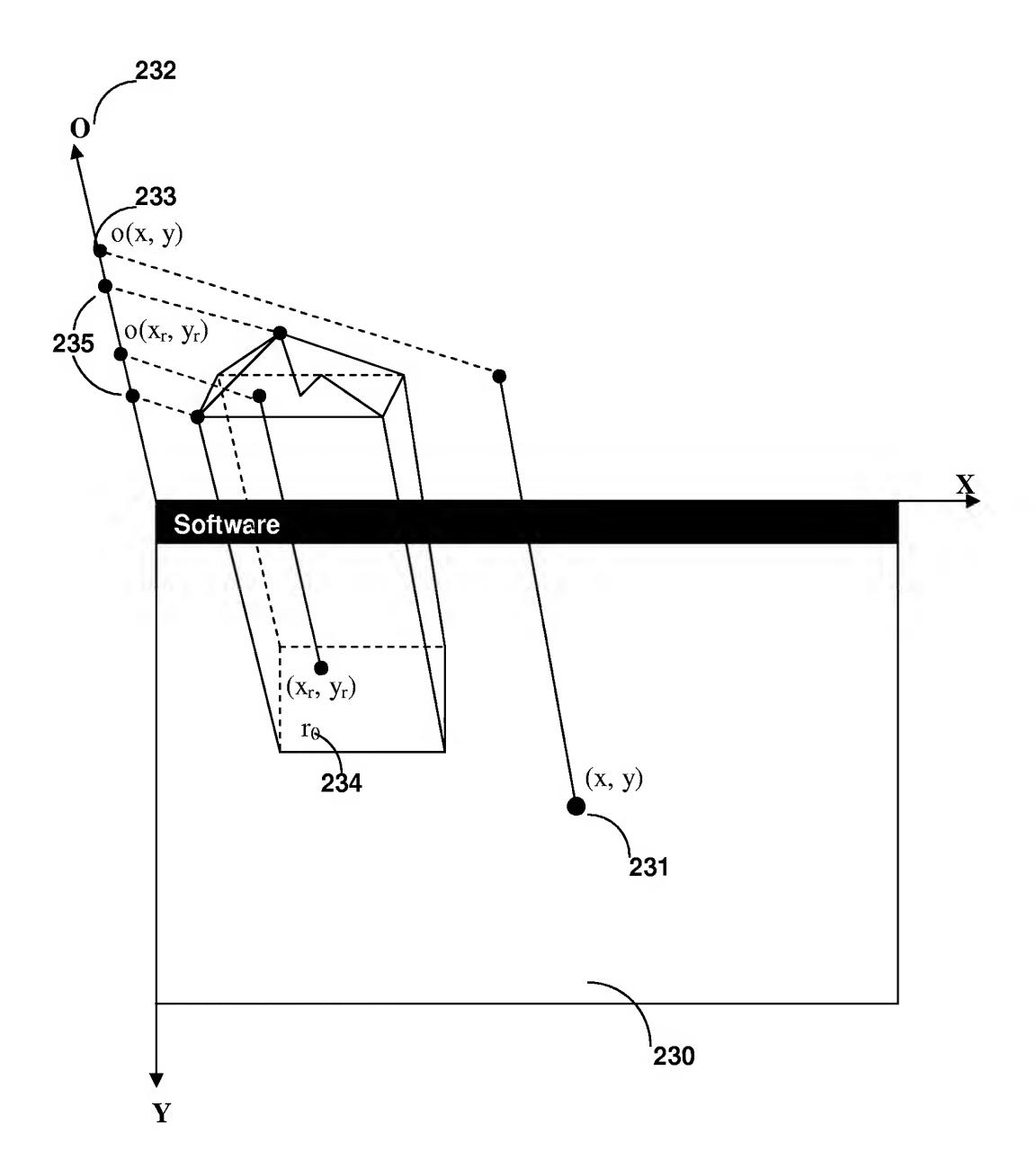
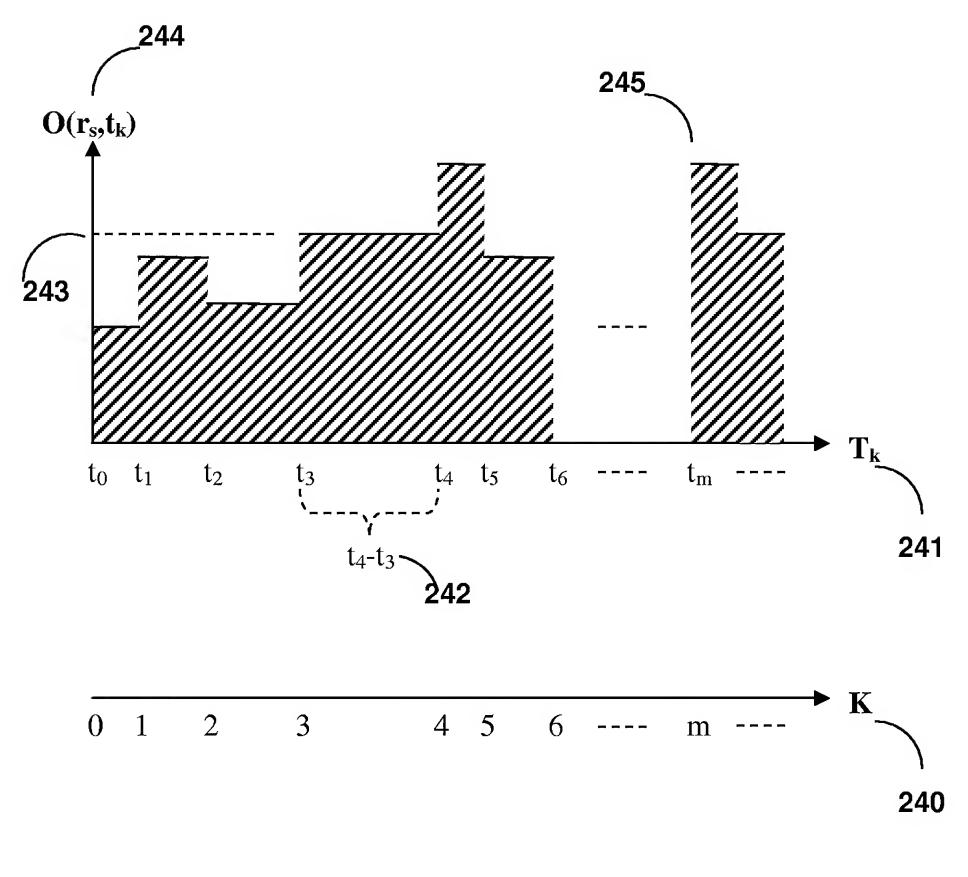


FIG. 2F



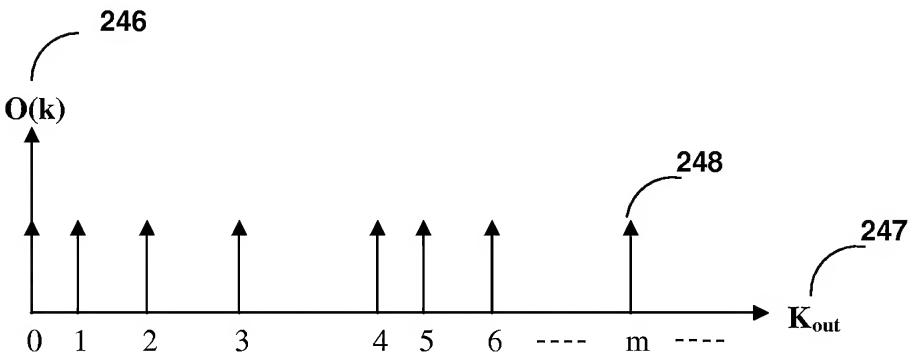
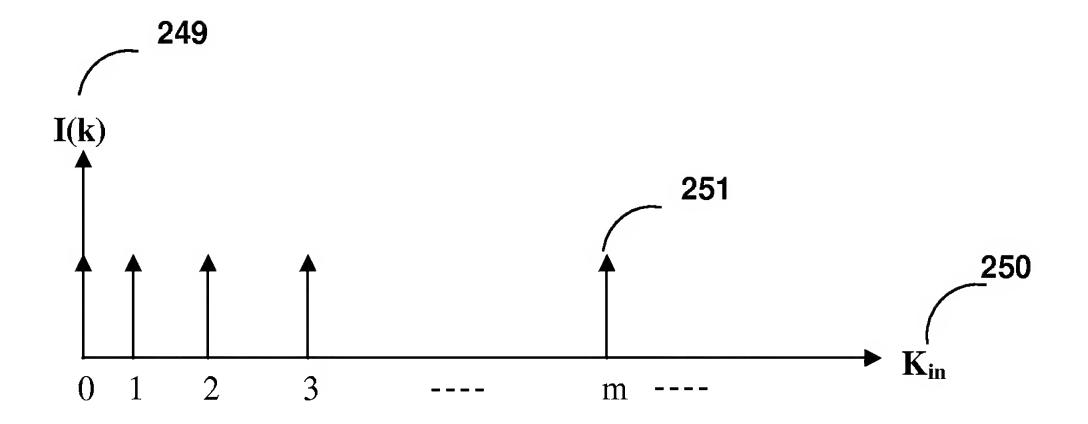


FIG. 2G



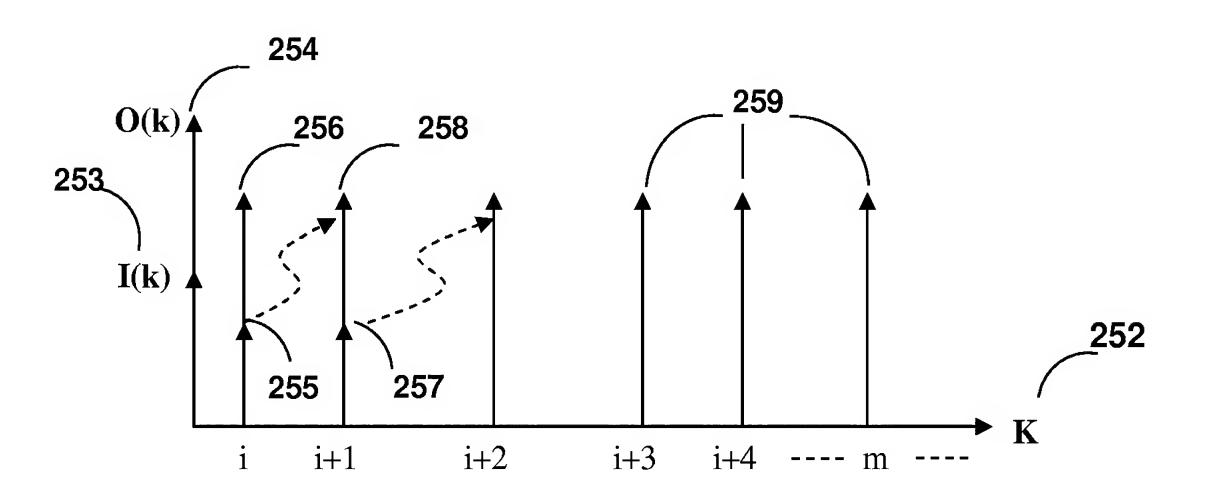
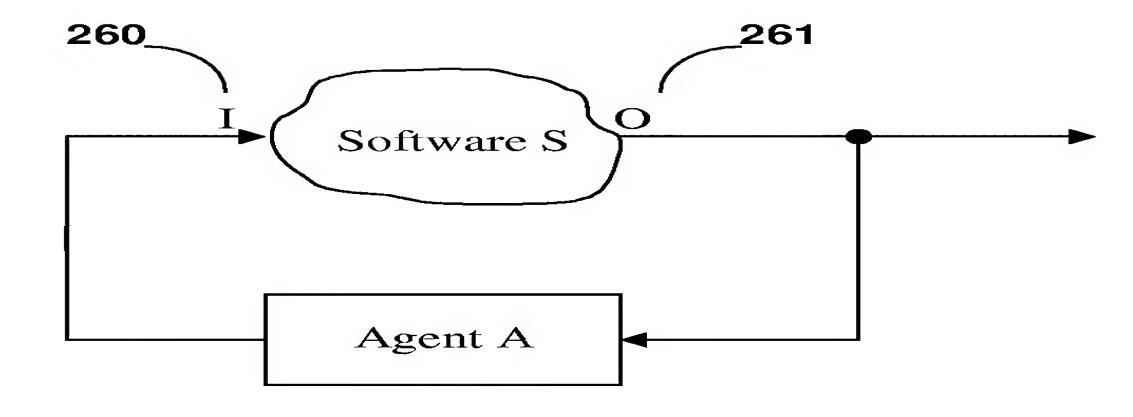
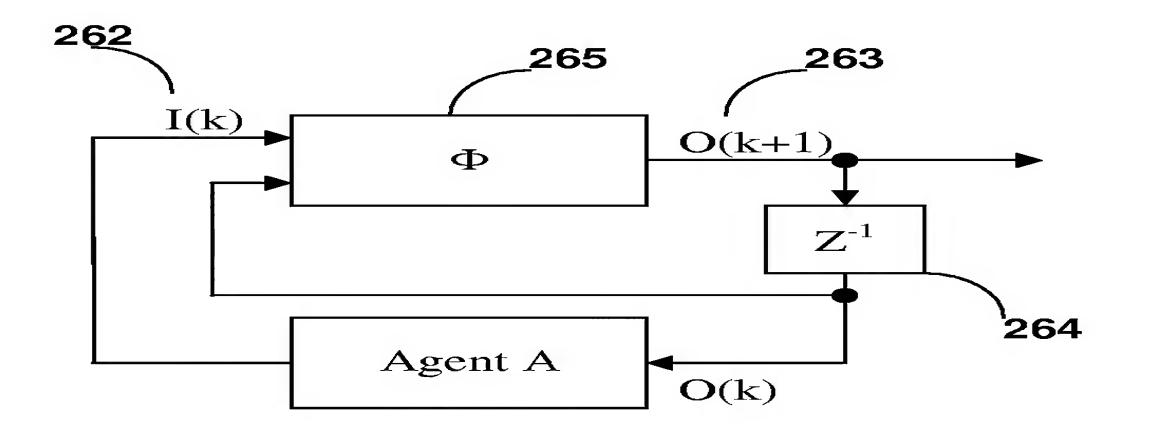


FIG. 2H





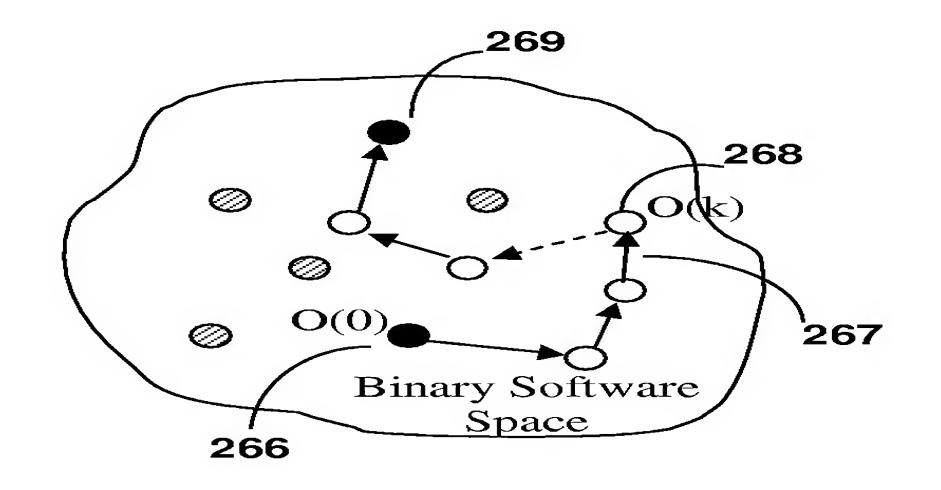
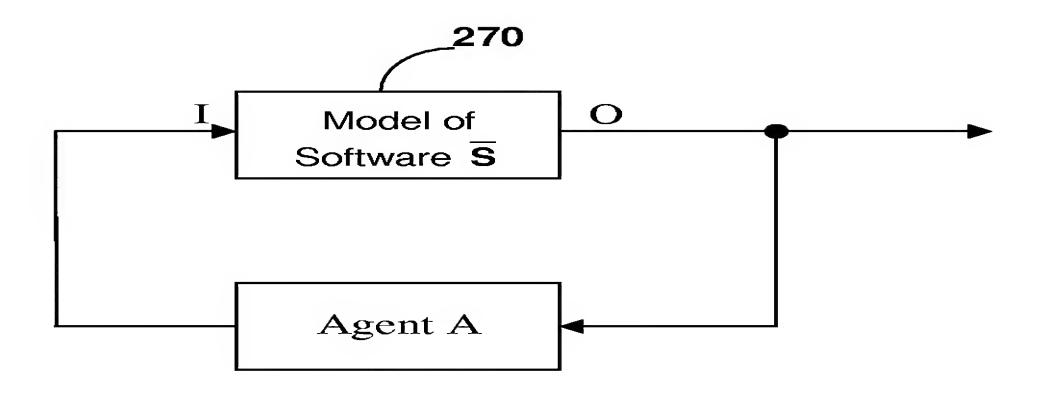
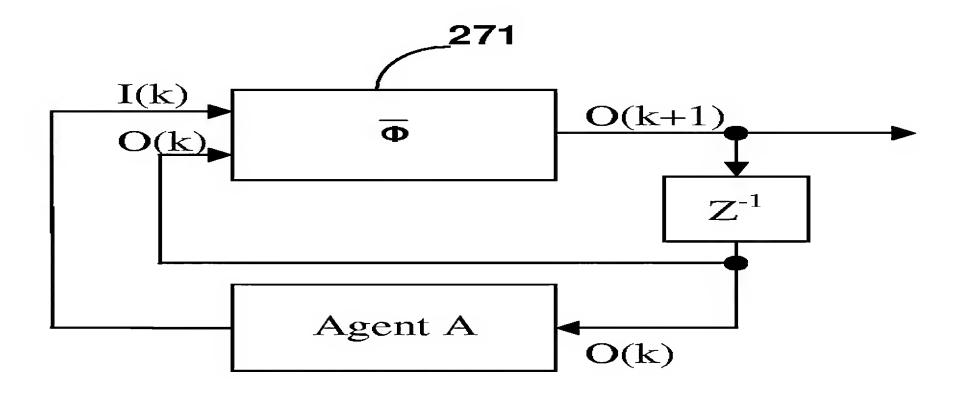


FIG. 21





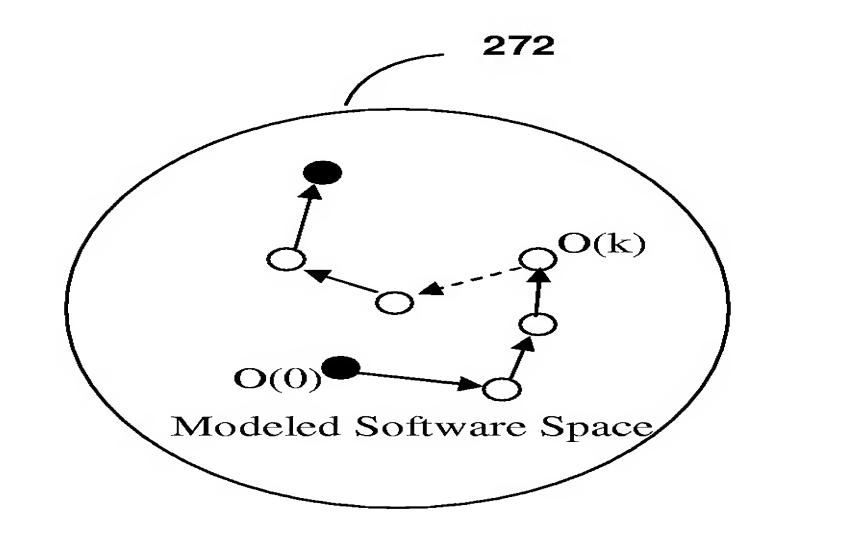
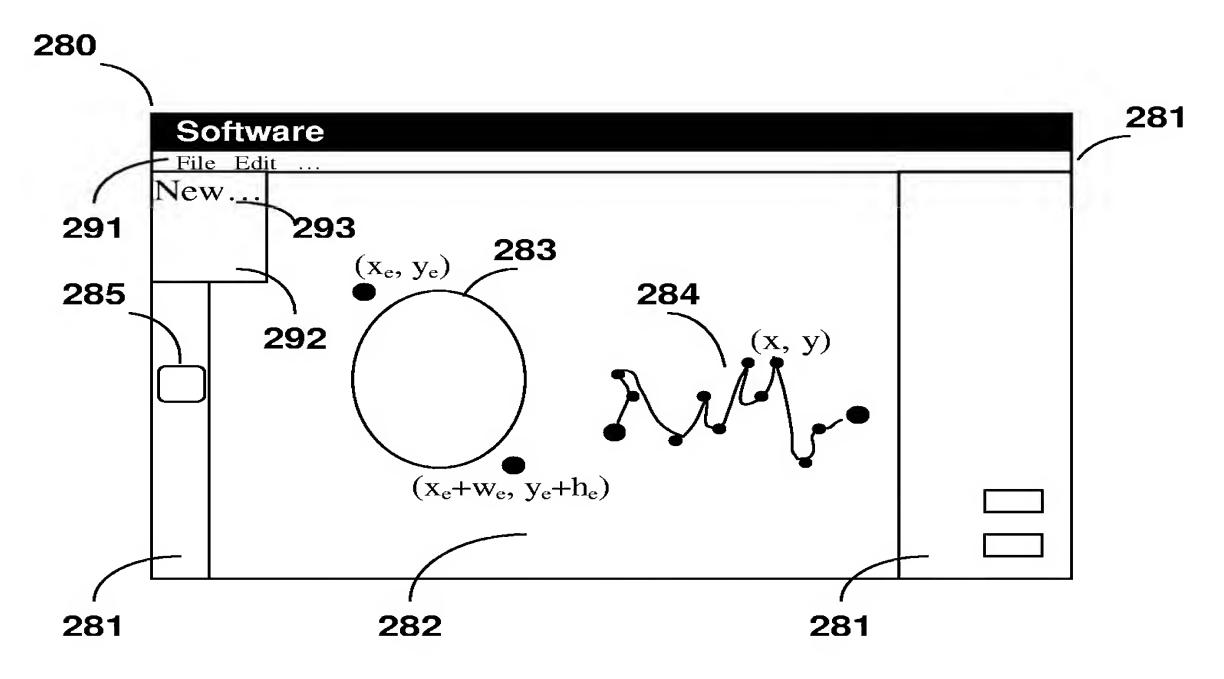


FIG. 2J



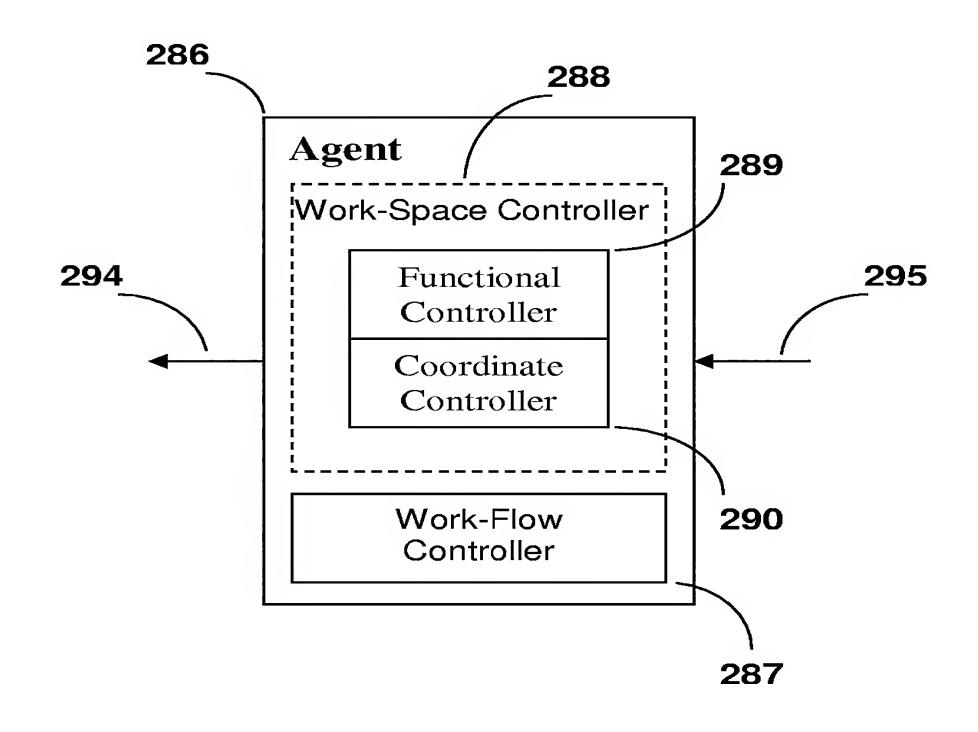
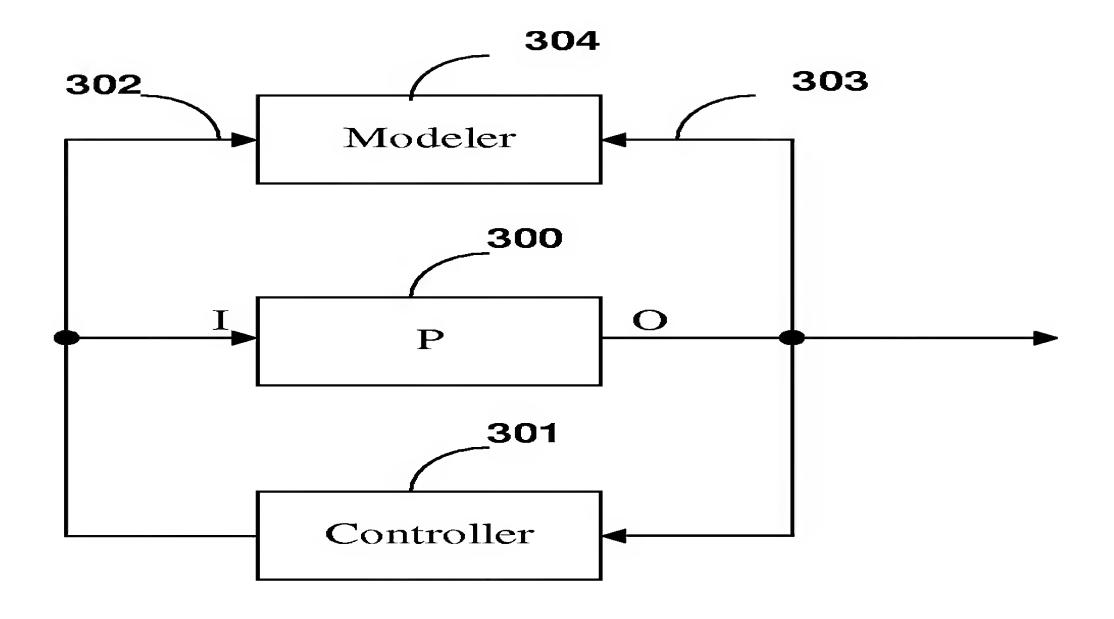


FIG. 2K



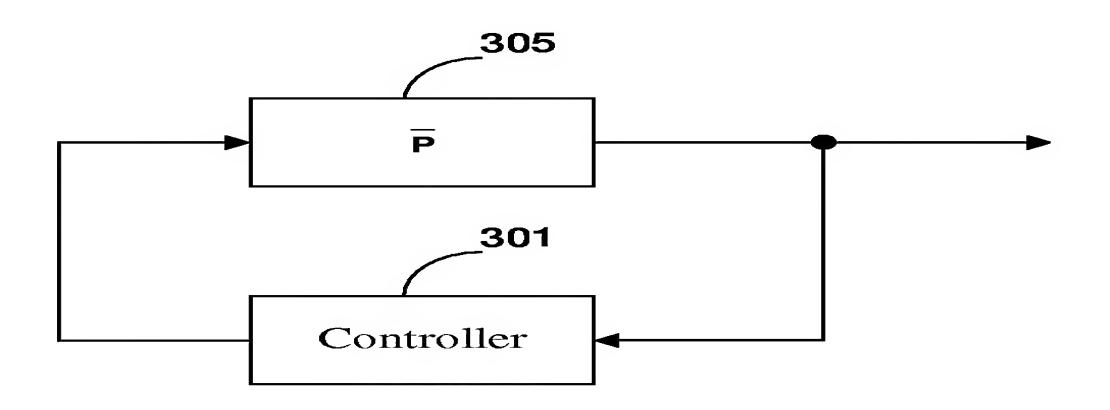
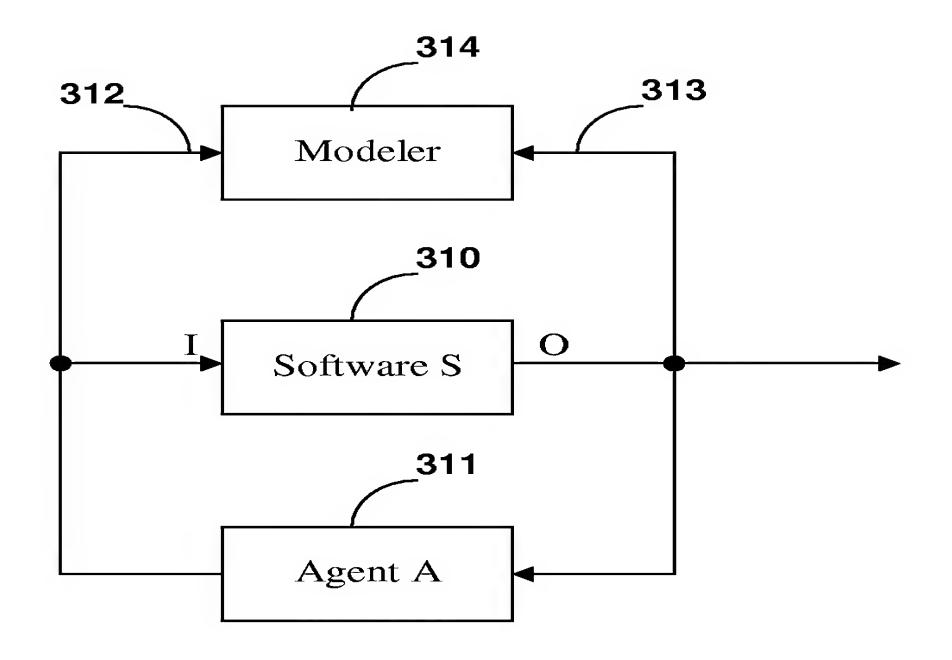


FIG. 3A



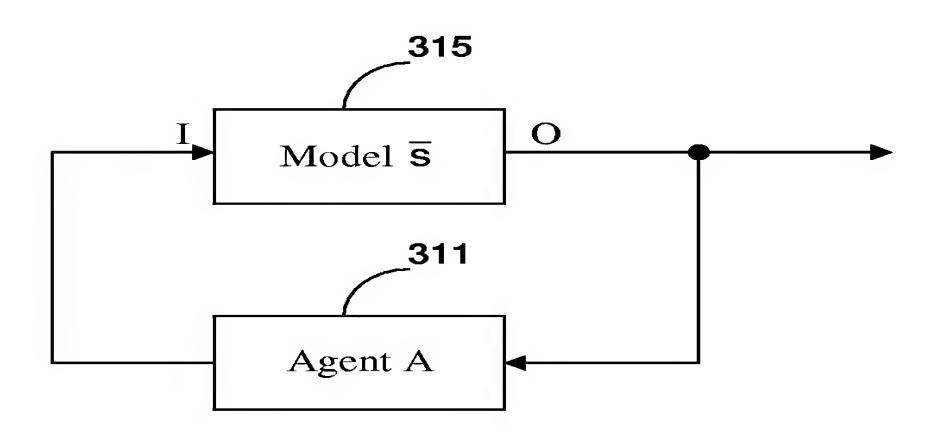
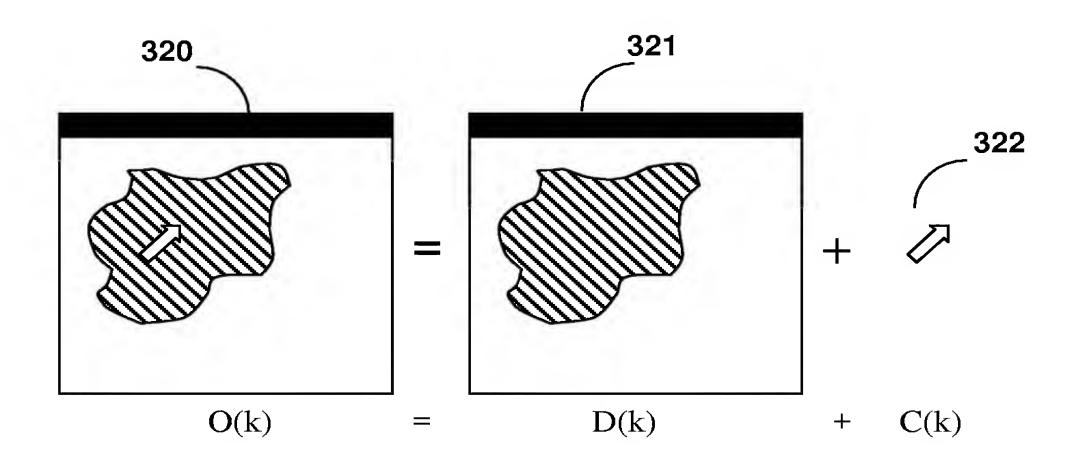


FIG. 3B



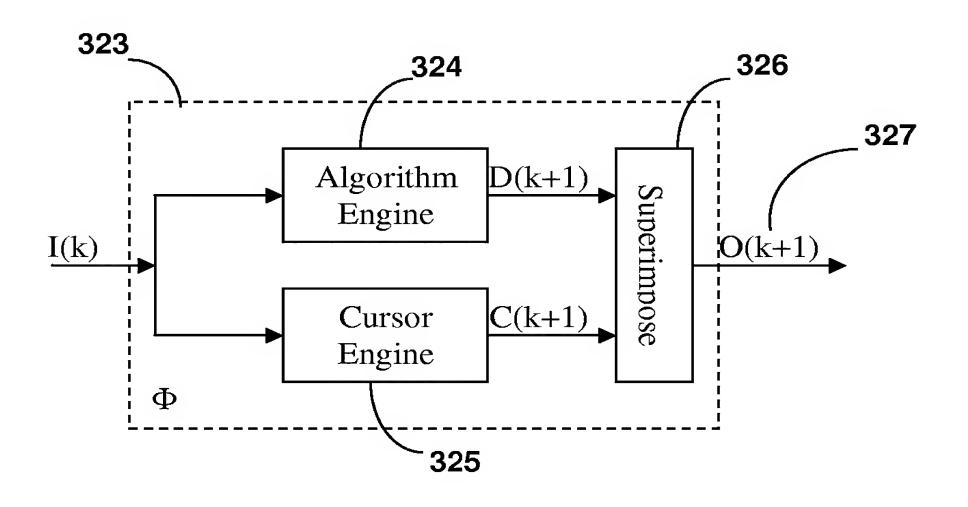
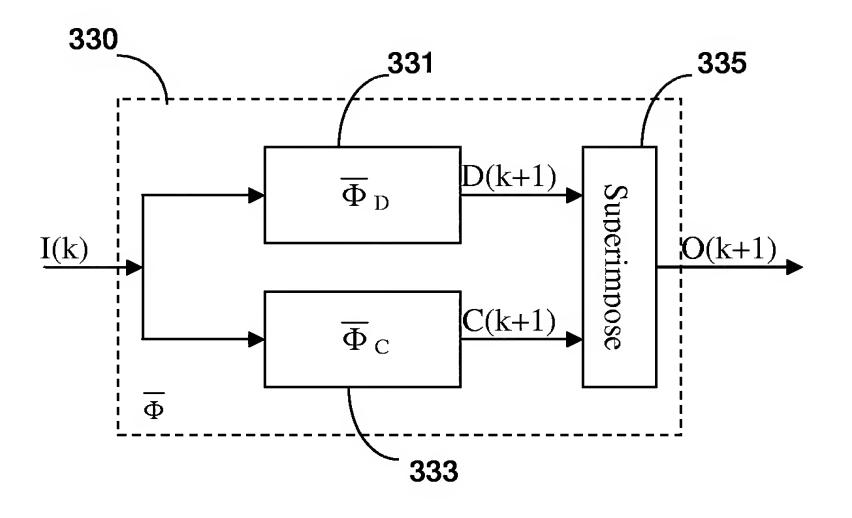


FIG. 3C



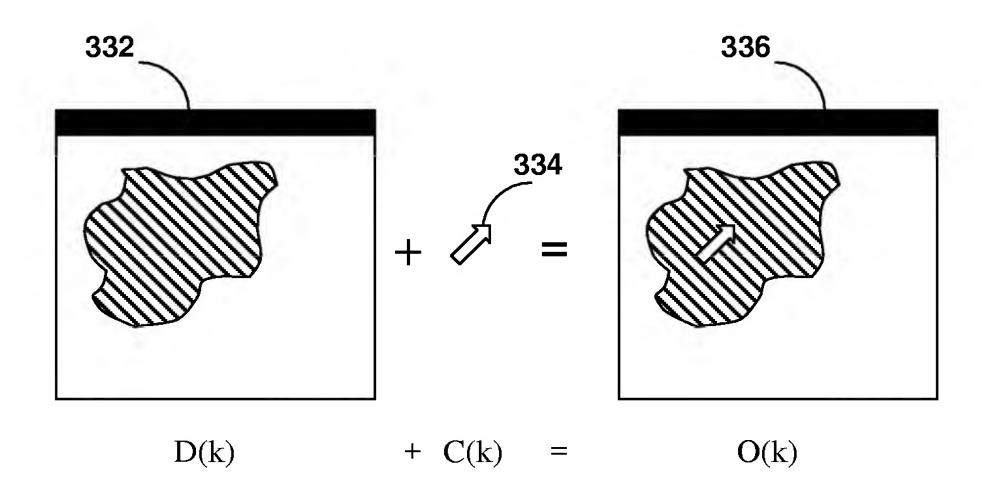
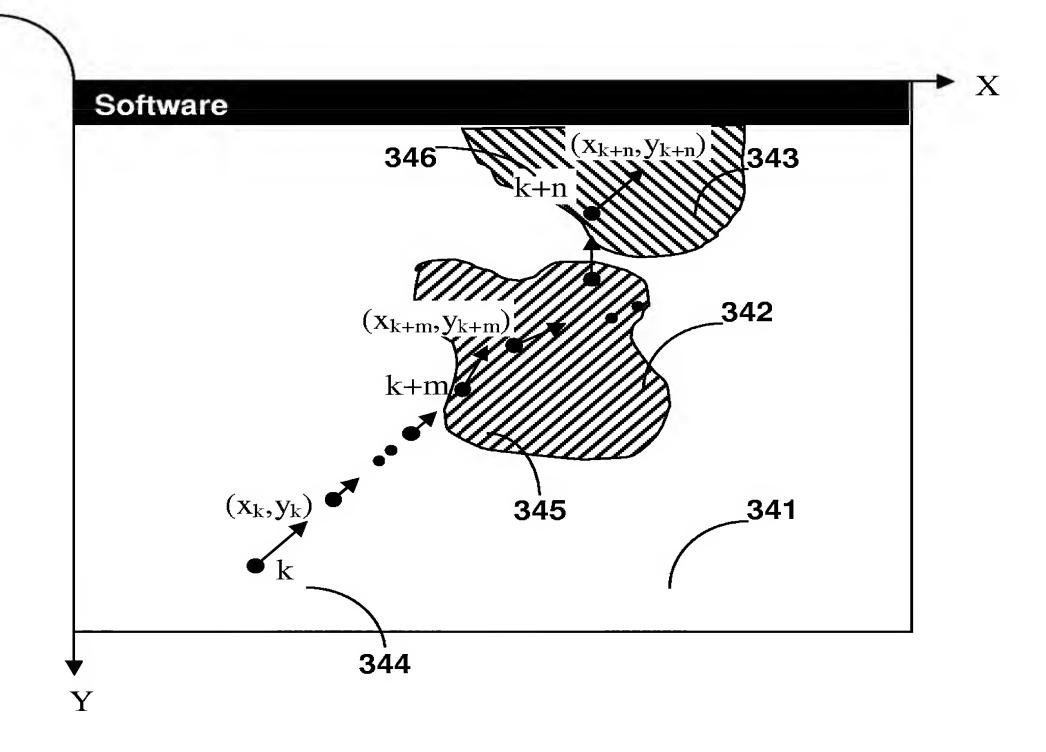


FIG. 3D





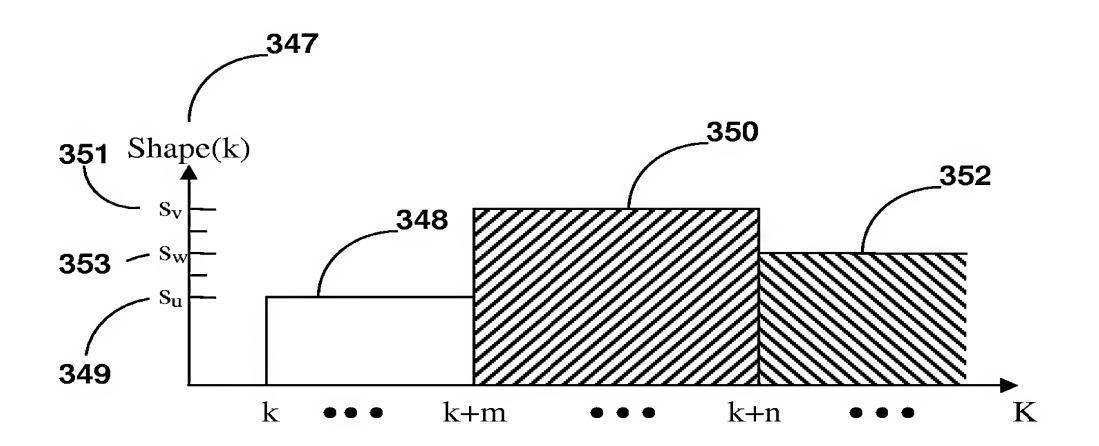


FIG. 3E

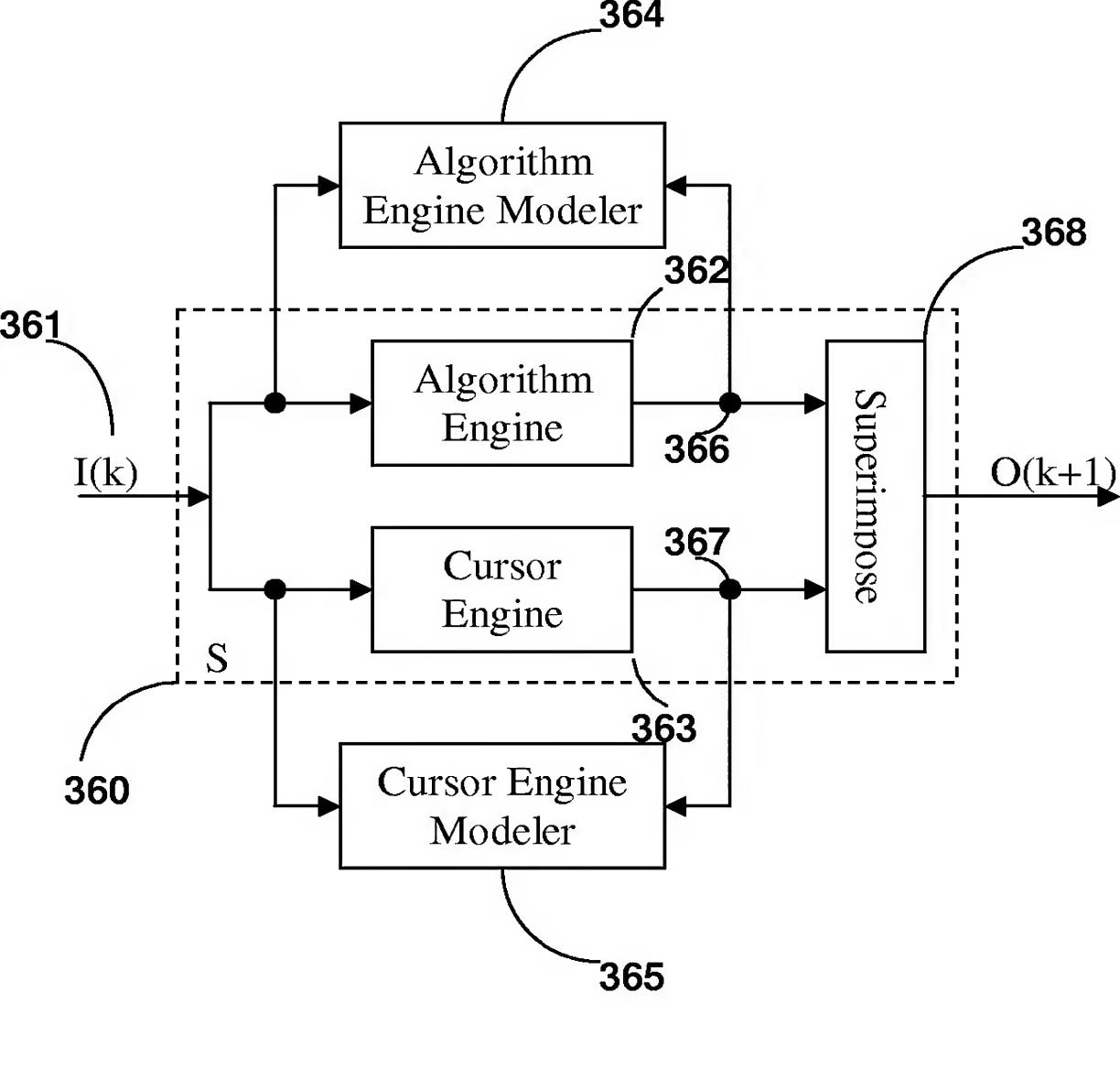


FIG. 3F

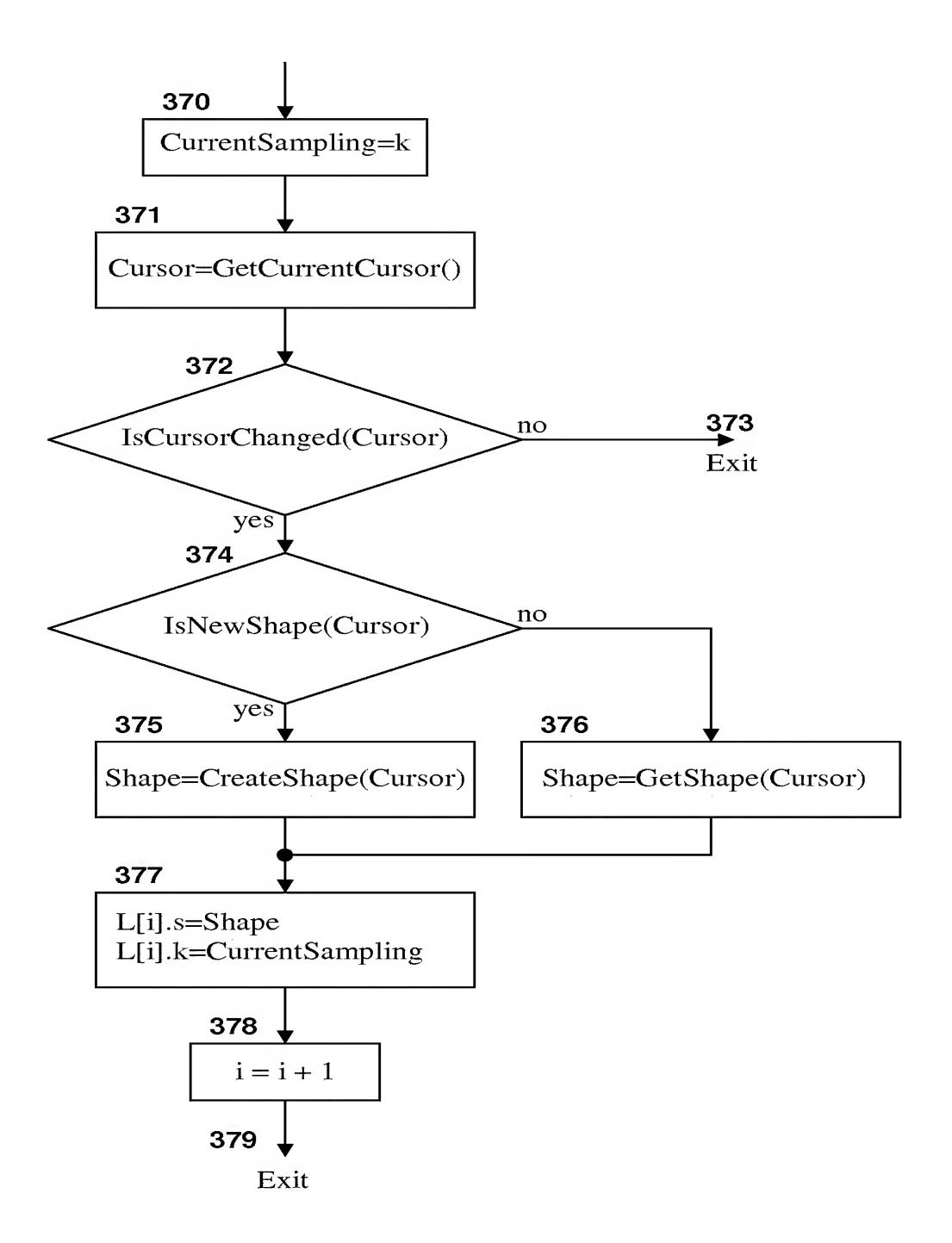


FIG. 3G

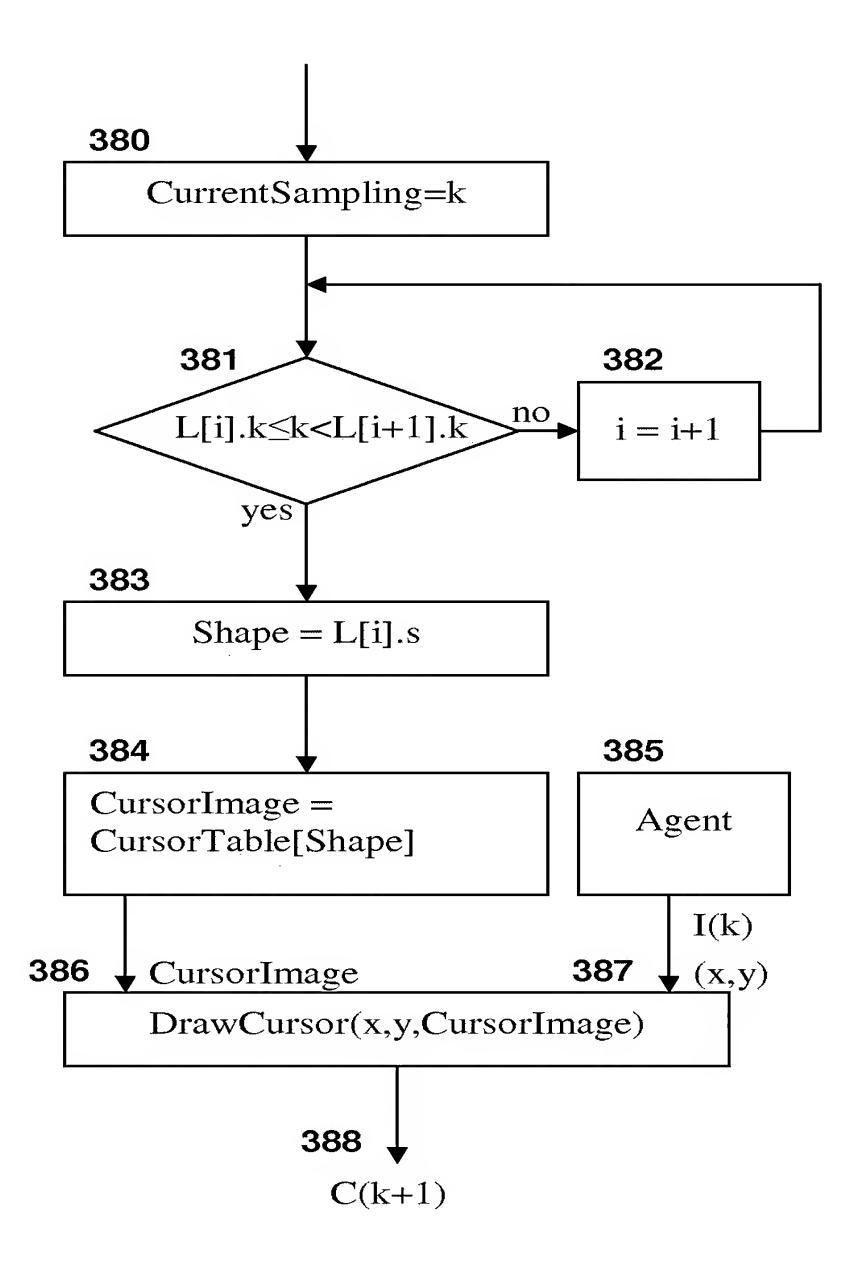


FIG. 3H

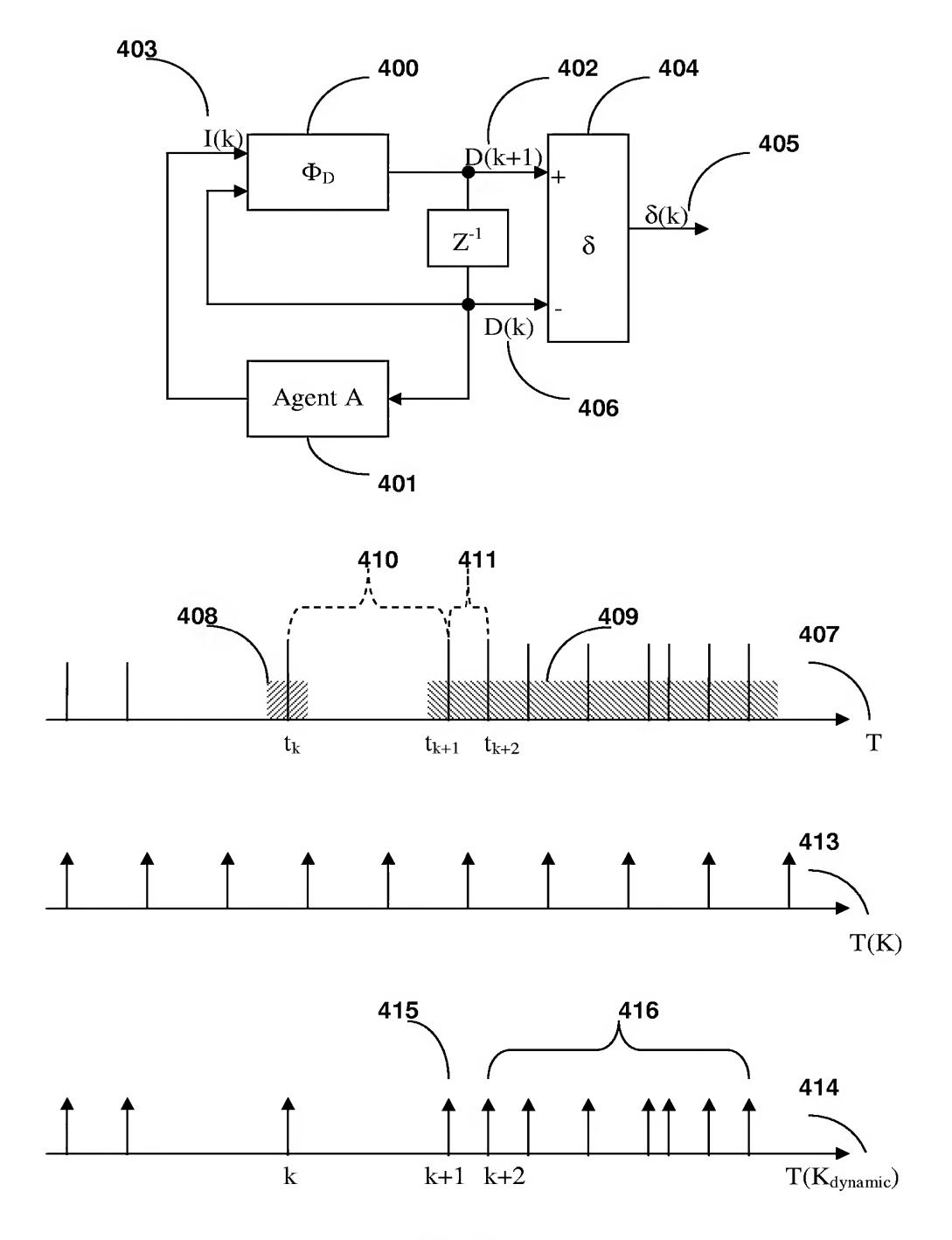
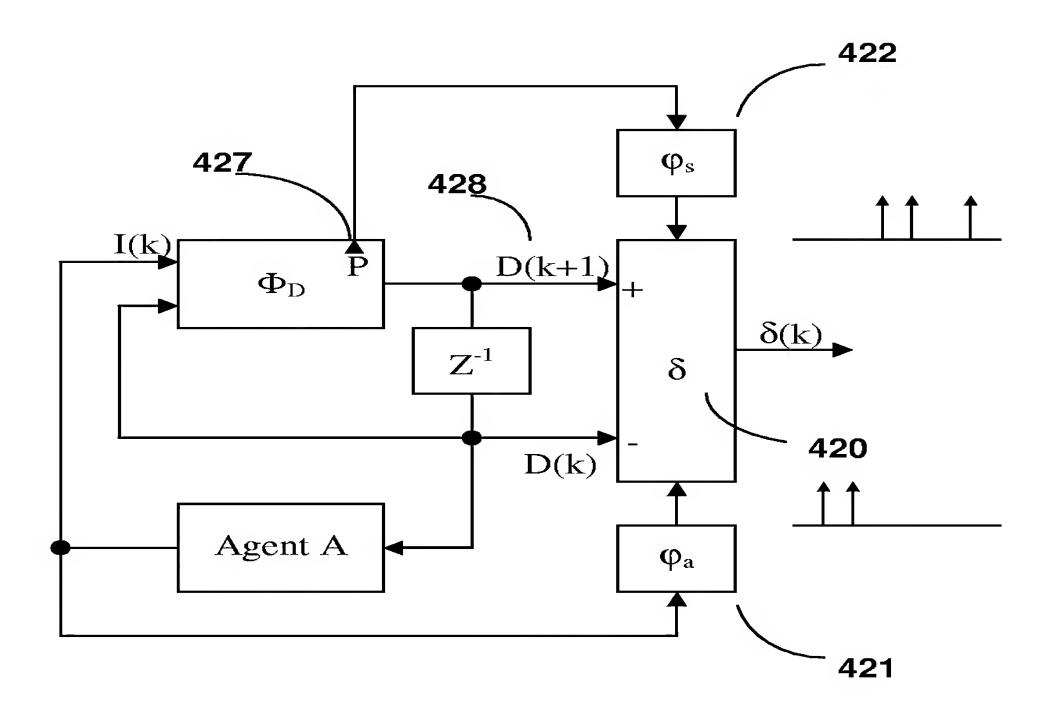


FIG. 4A



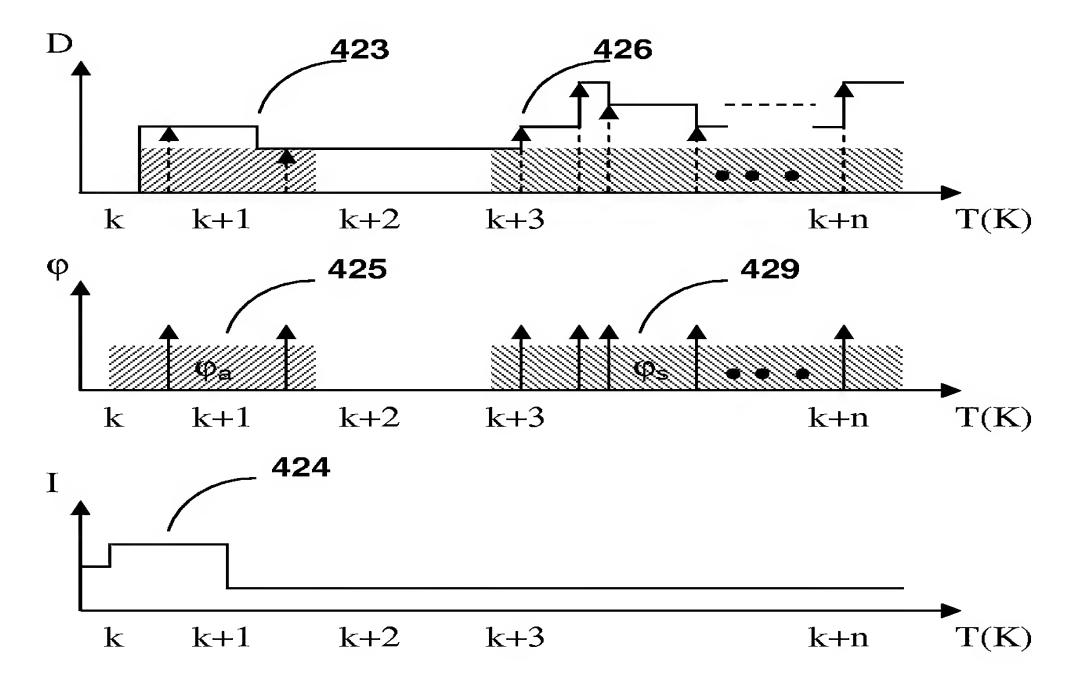


FIG. 4B

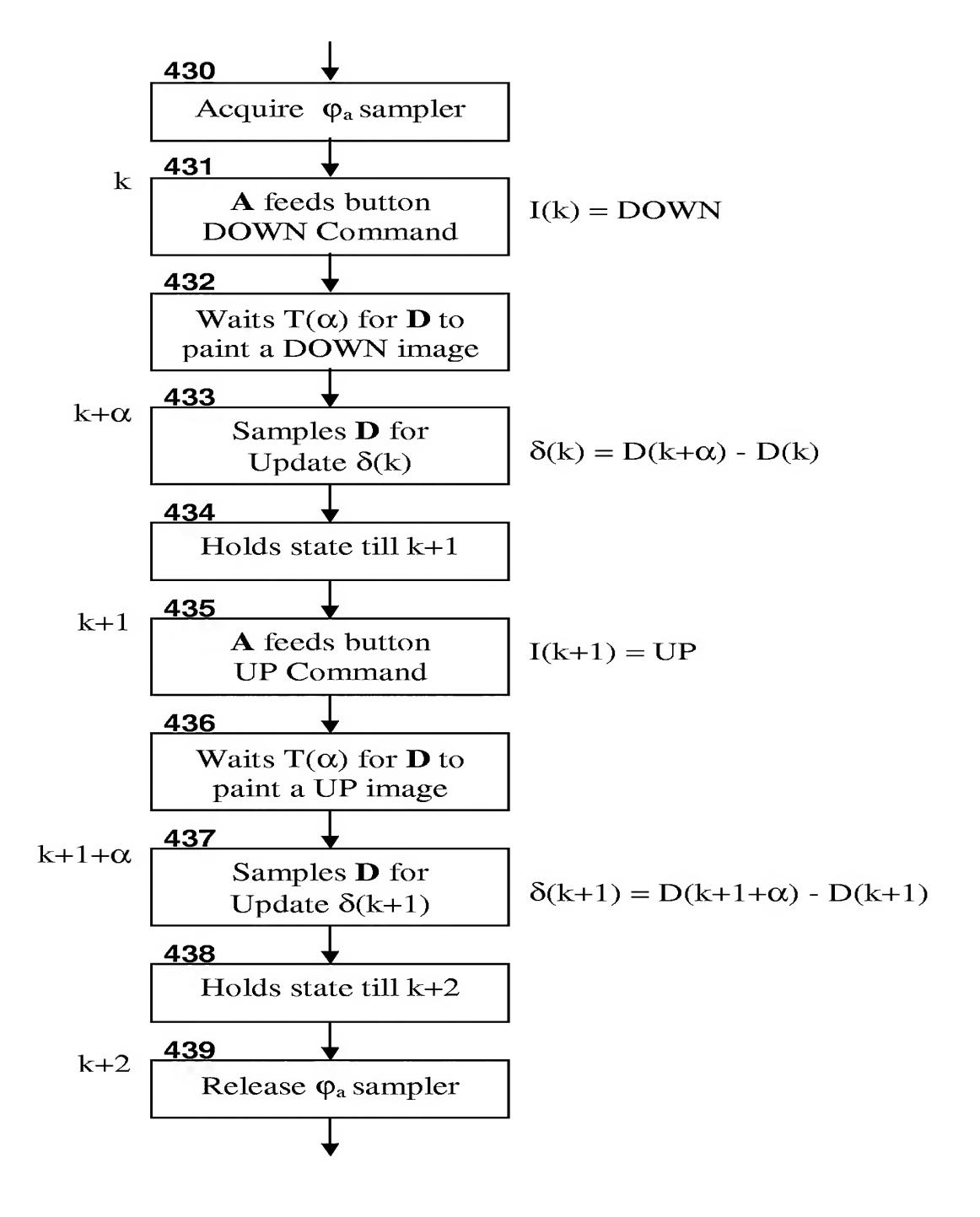


FIG. 4C

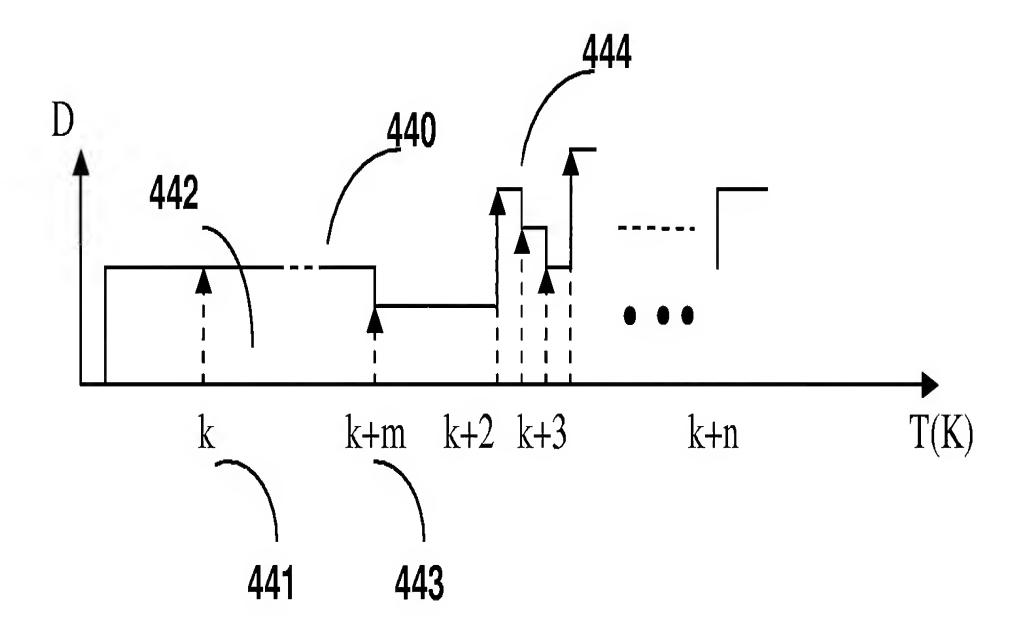
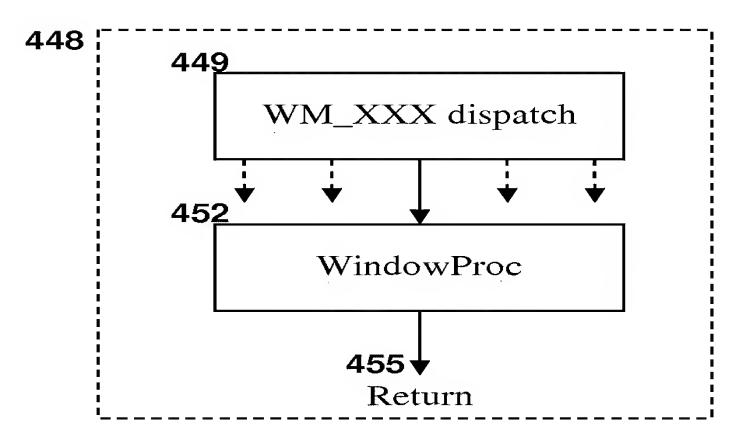
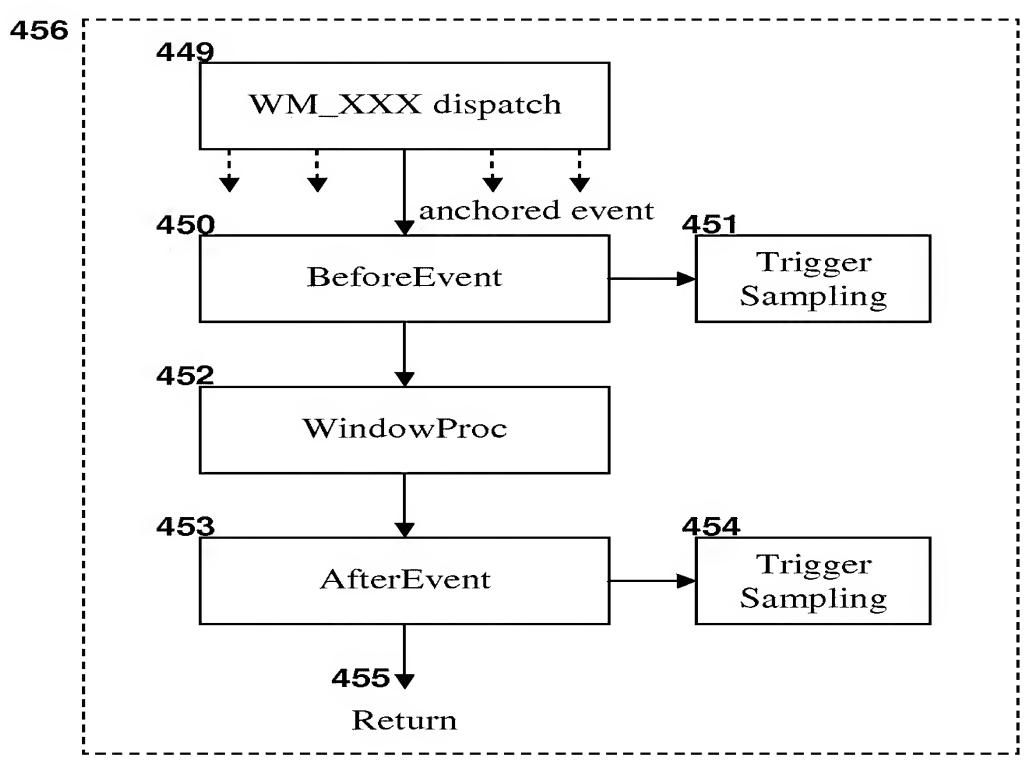


FIG. 4D





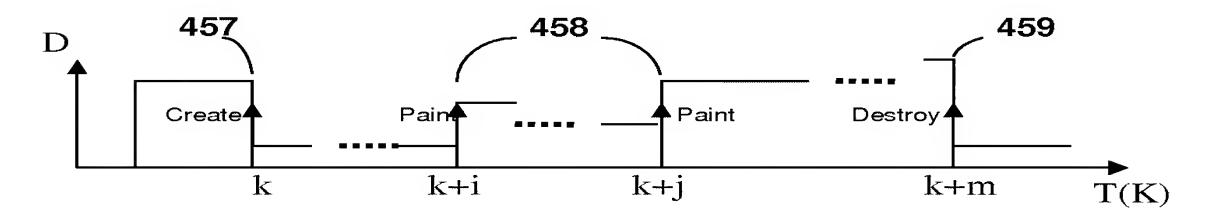


FIG. 4E

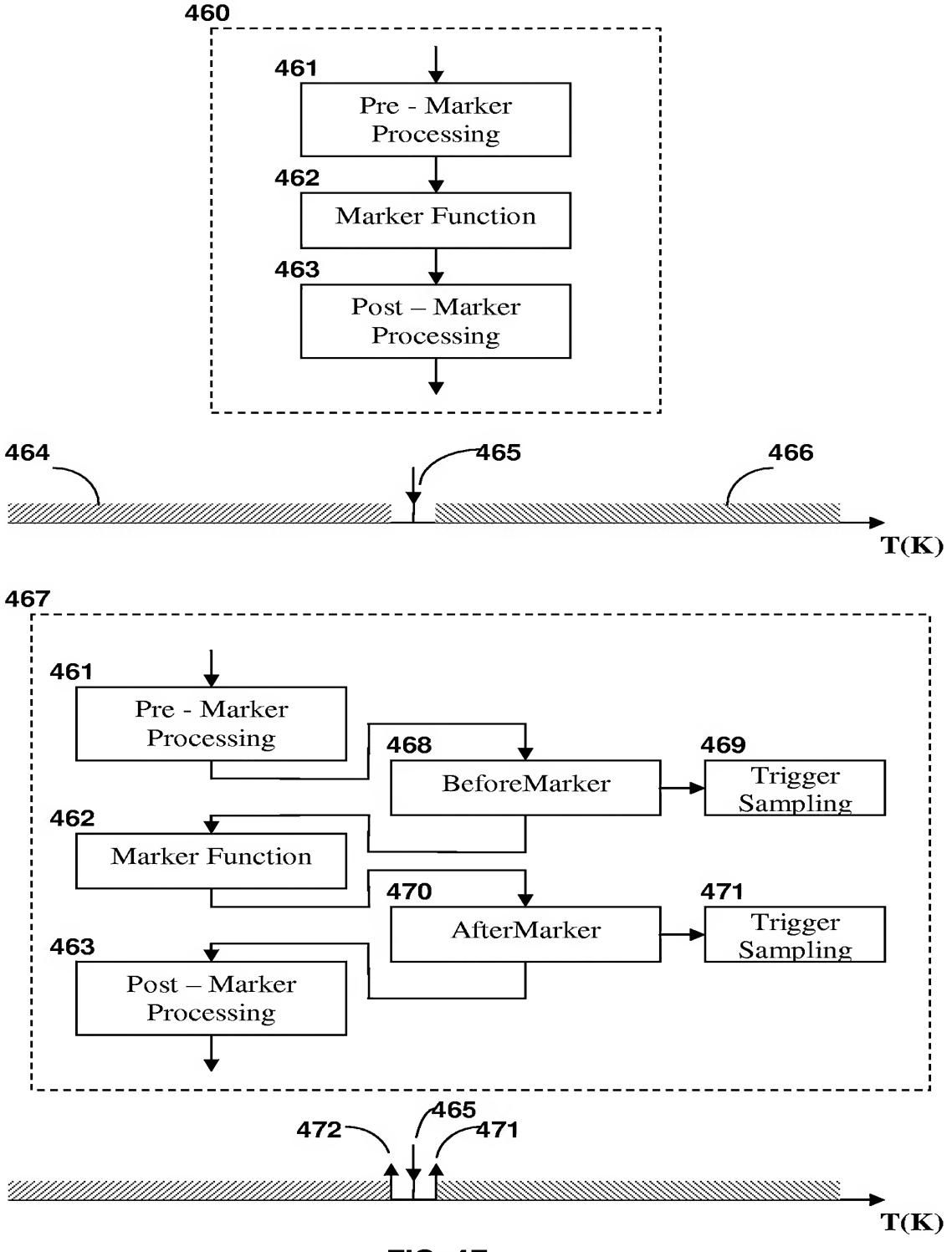
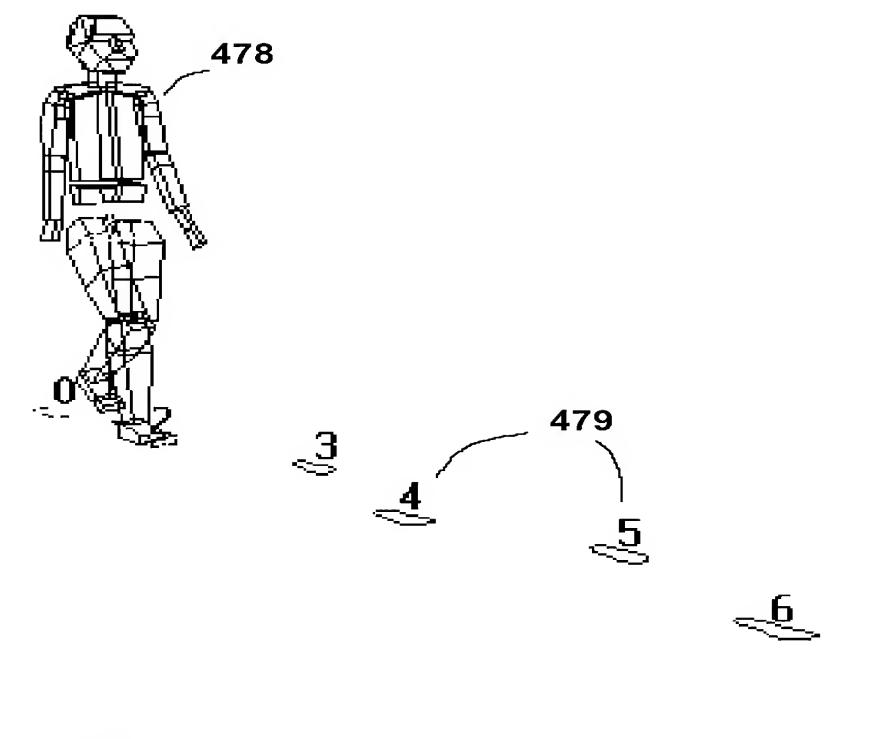


FIG. 4F





480

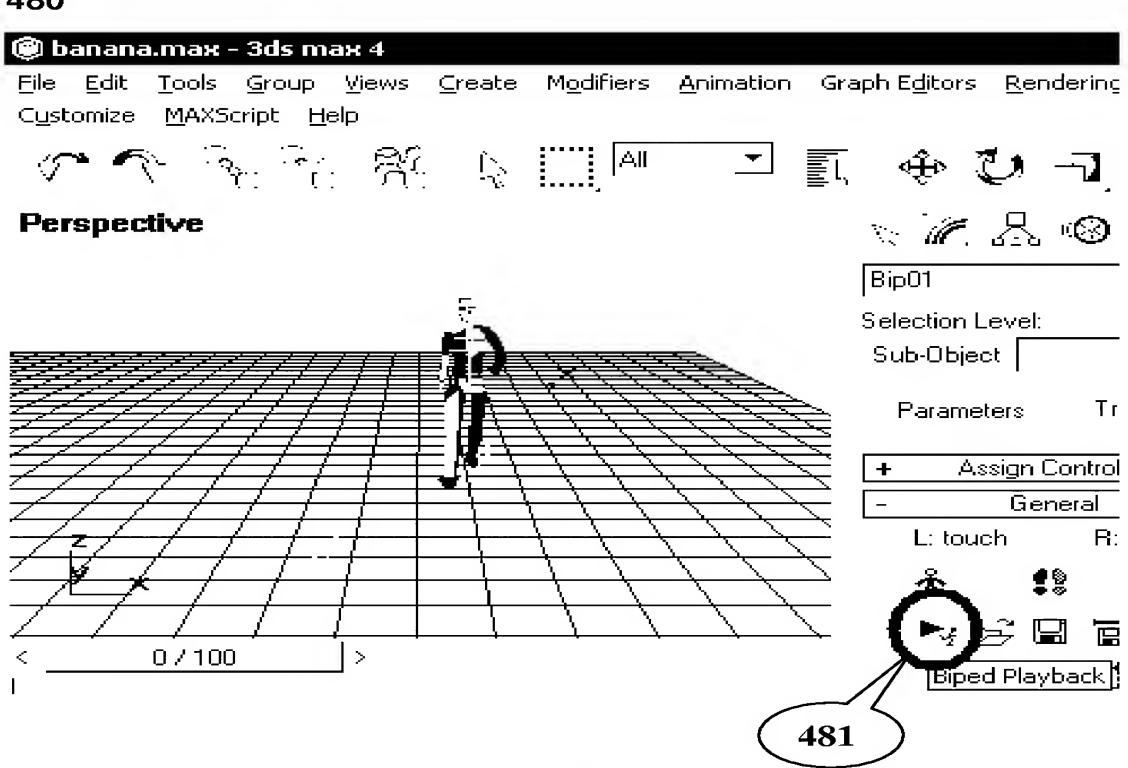


FIG. 4G

FIG. 4G. Cont.

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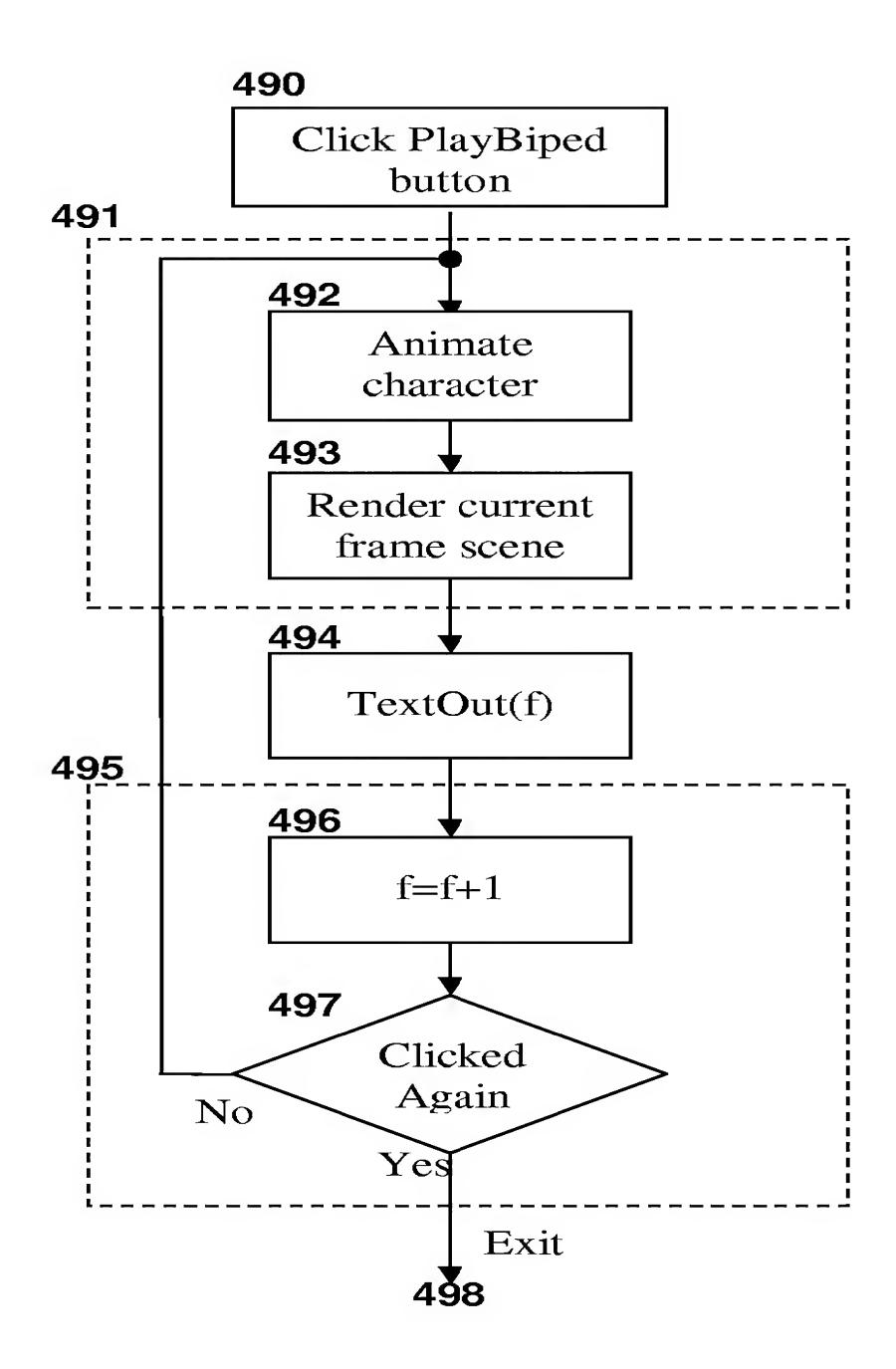


FIG. 4H

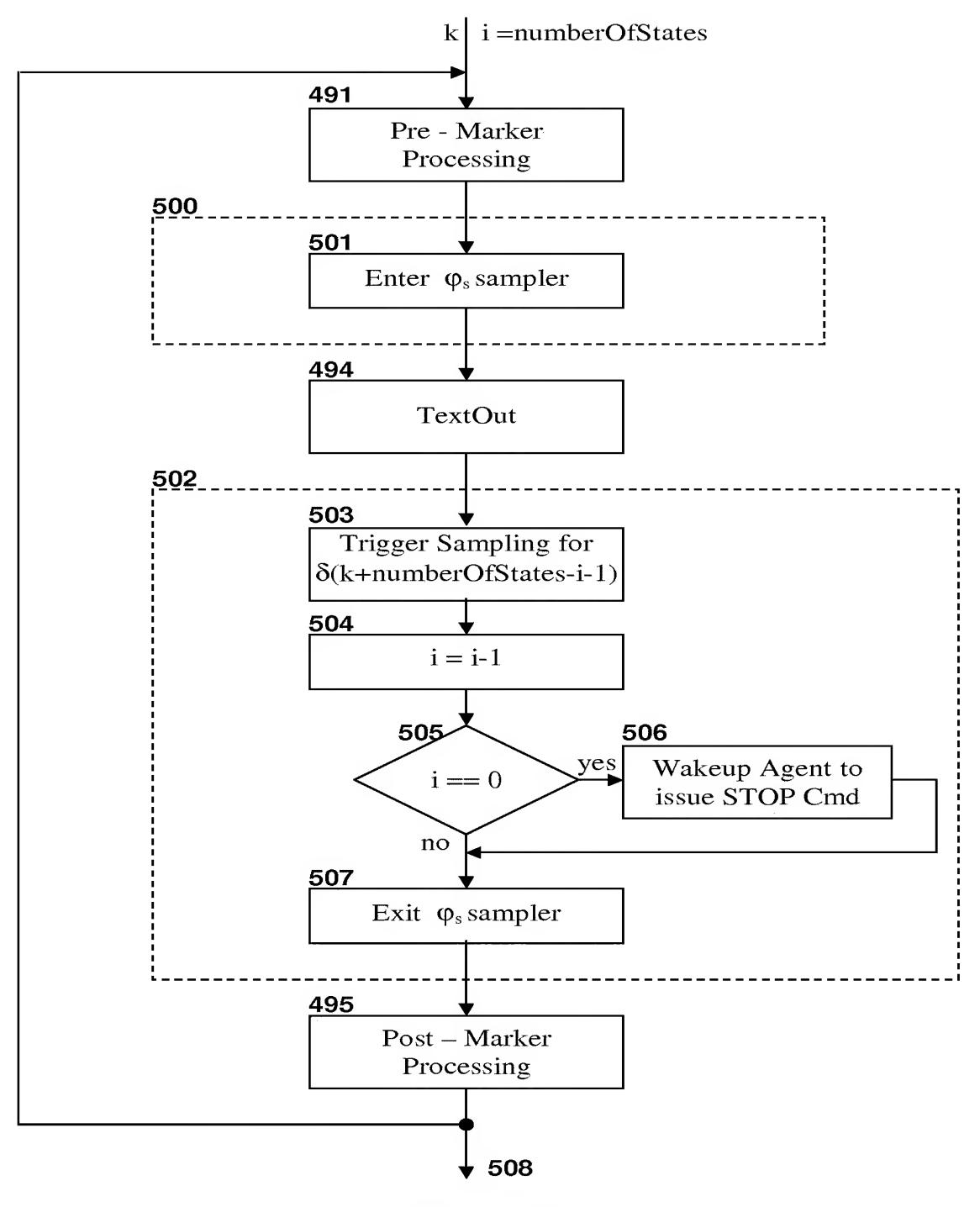
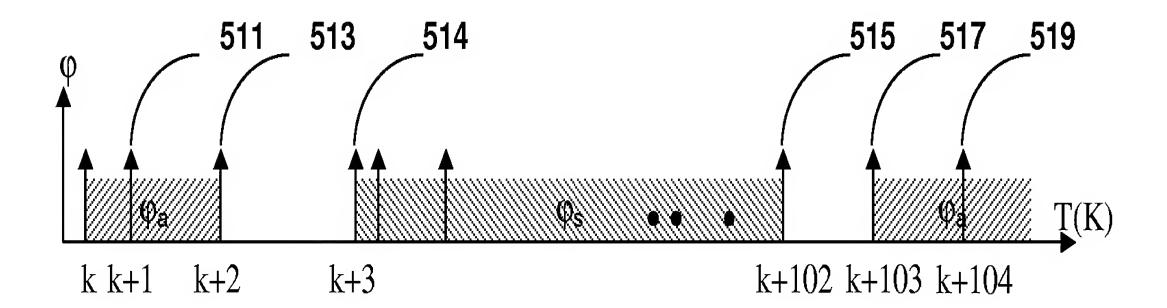


FIG. 4H Cont.



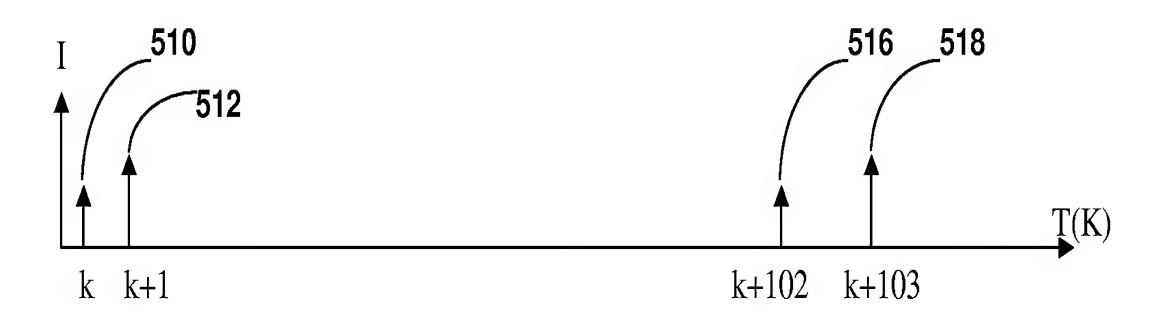


FIG. 4I

ButtonActuatorModel(command,tag); 520 no IsModeling(); yes 521 h=FindHandleFromTag(tag); 523 525 r=FindRegionFromHandle(h); r=FindRegionFromTag(tag); 524 SaveRegion(tag,r); Modeling Simulating 526 (x,y)=CalculateTargetPosition(r); 527 I=(MOUSEMOVETO,x,y); 528 I=(command);

FIG. 5A

Exit

Engines commands

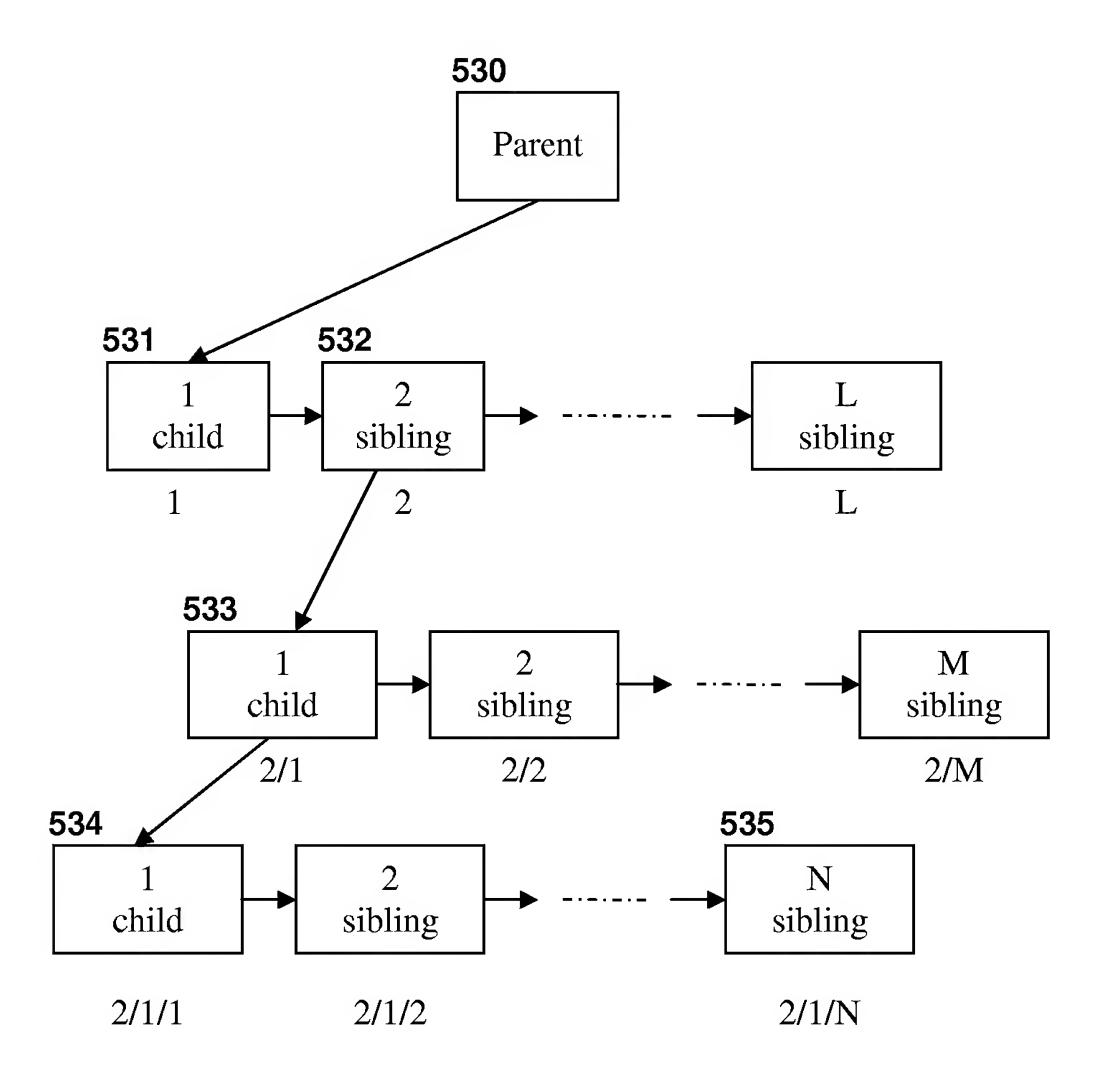


FIG. 5B

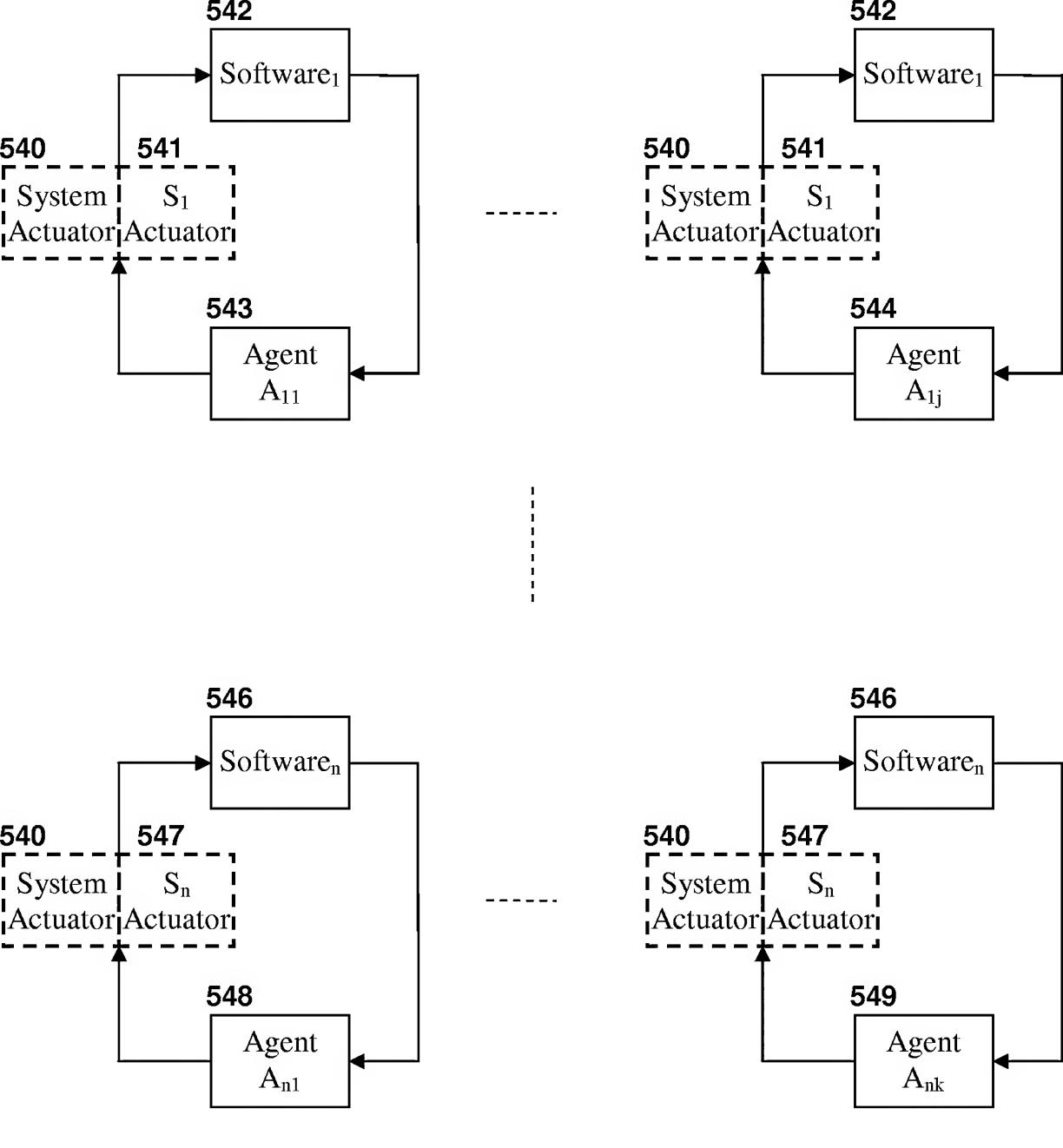


FIG. 5C

```
Public class PlayButtonActuator extends ButtonActuatorModel
    551
      public PlayButtonActuator()
            super("Play");
    552
      void playBiped(int numberOfStates)
                                             553
      Rectangle r;
            APIProbe ap=new APIProbe(this,numberOfStates);
            r=clickButton();
            ap.probe();
                     555
    554
      Rectangle clickButton()
            return super.command(MOUSECLICK);
```

550

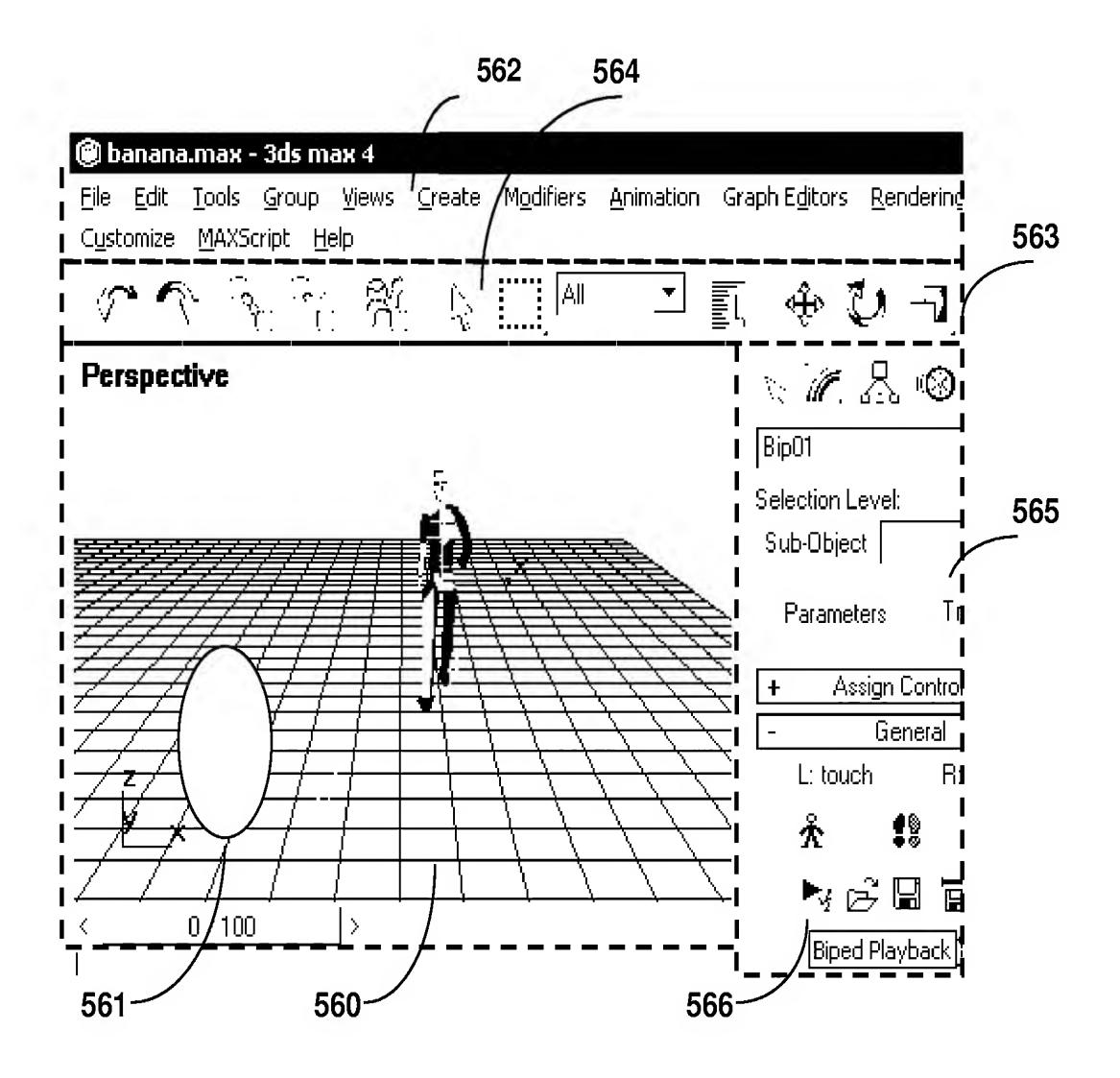


FIG. 5E

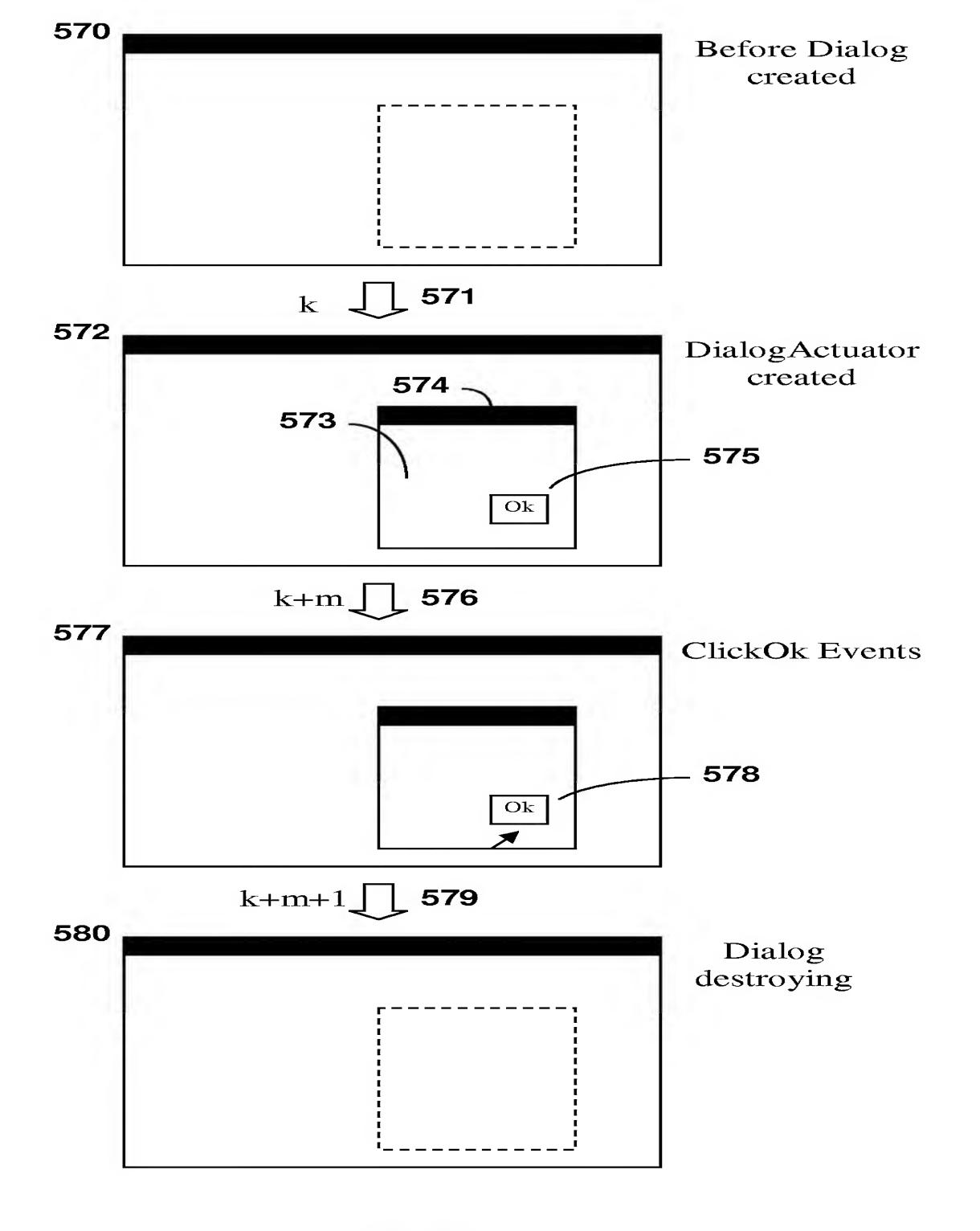


FIG. 5F

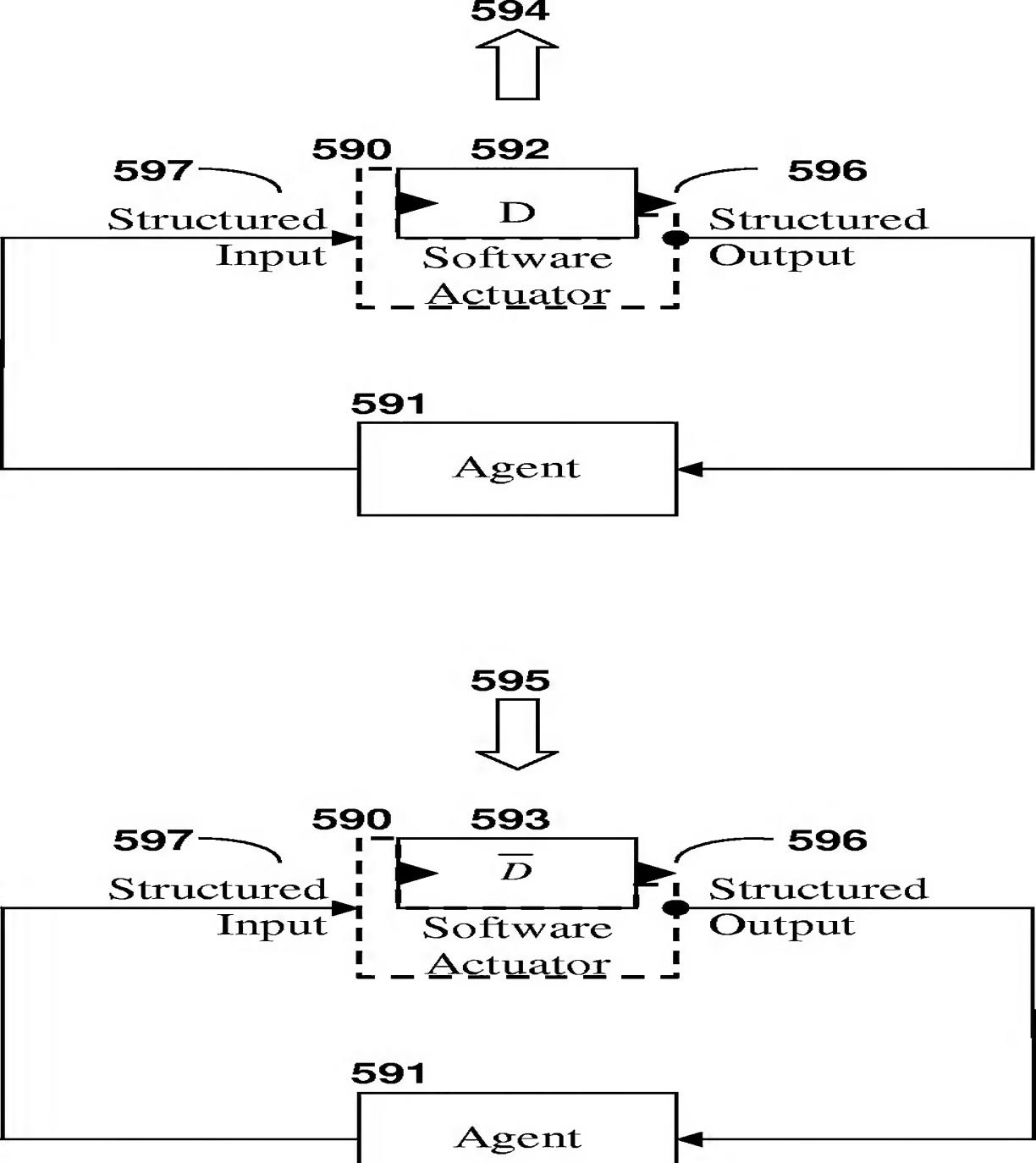
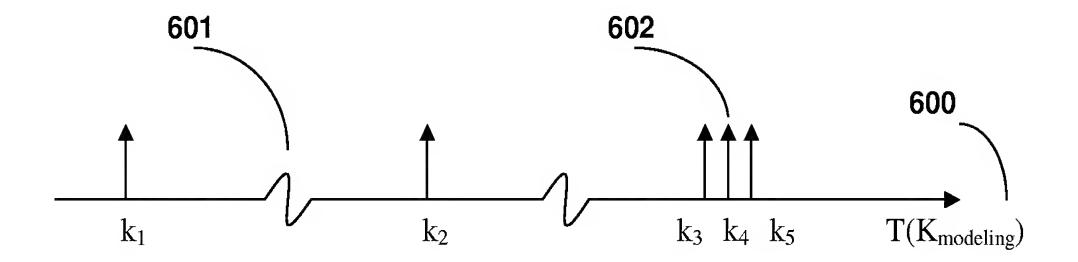


FIG. 5G



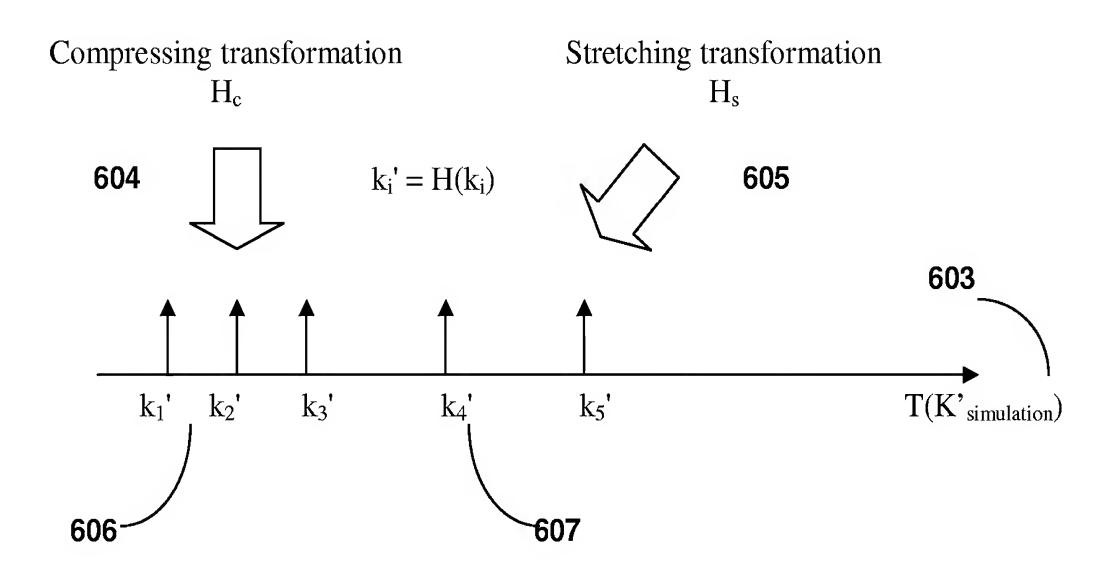


FIG. 6A

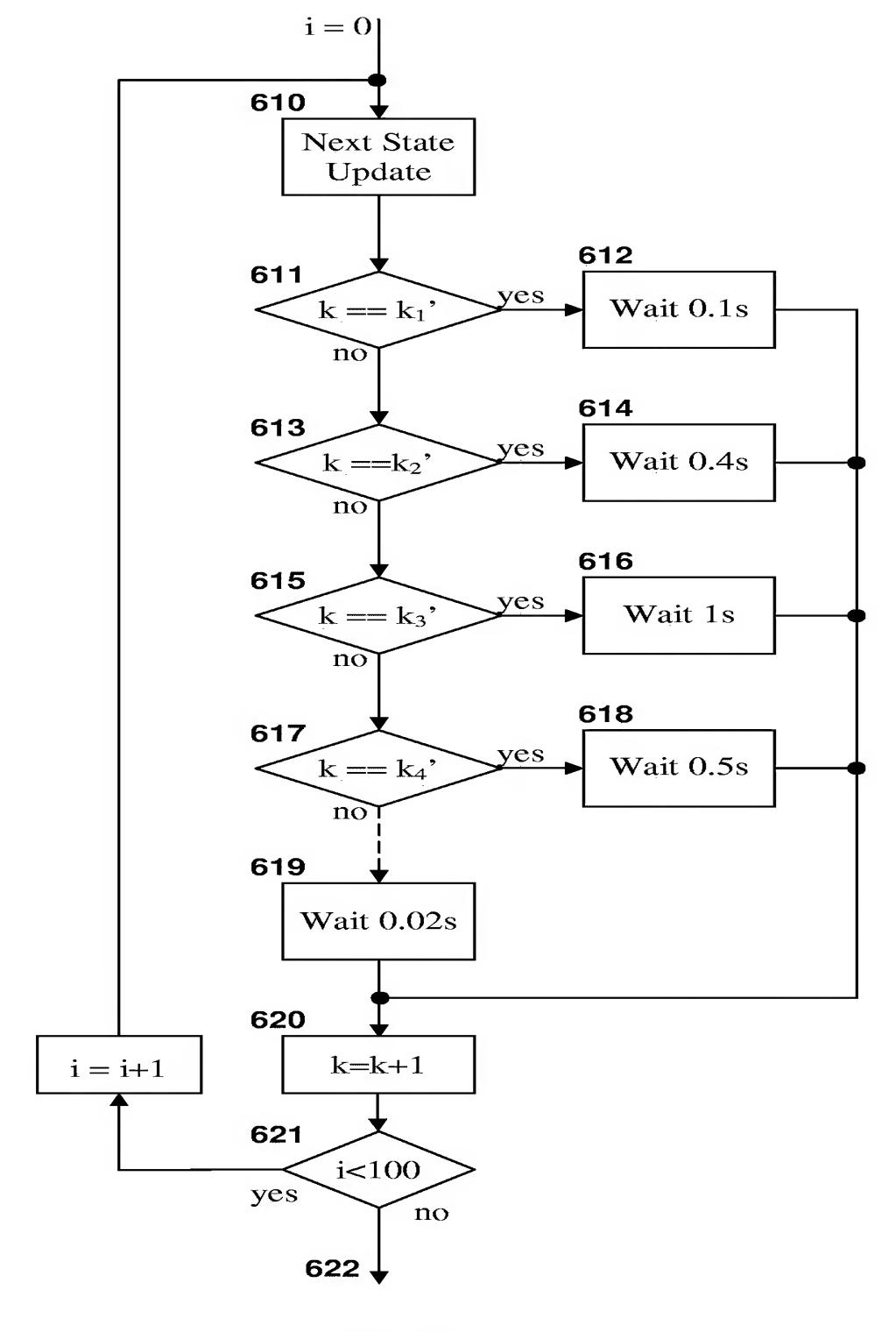


FIG. 6B

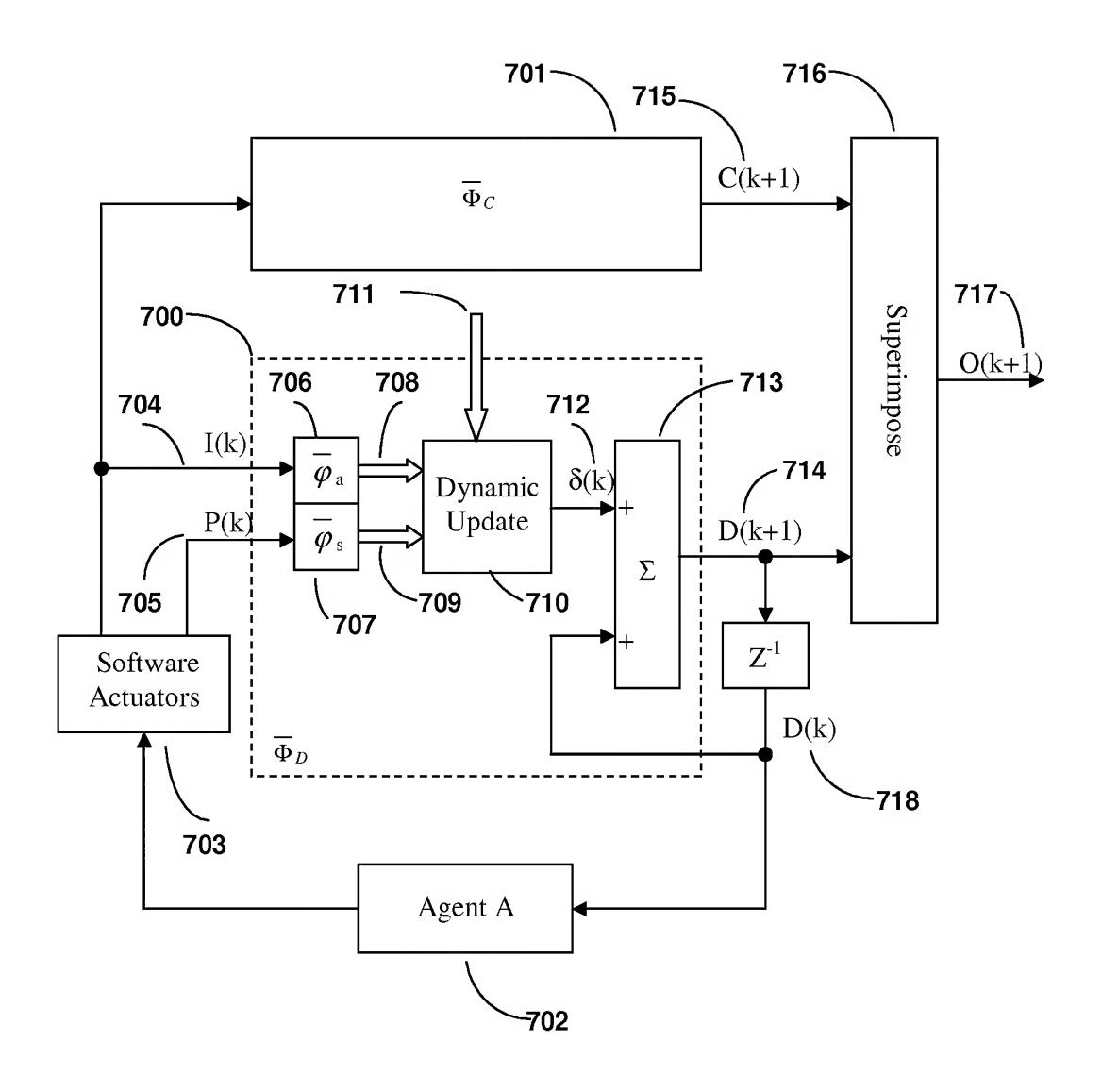
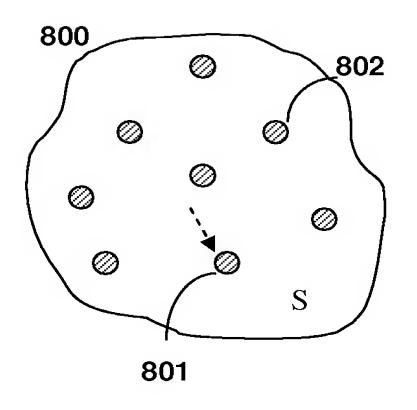
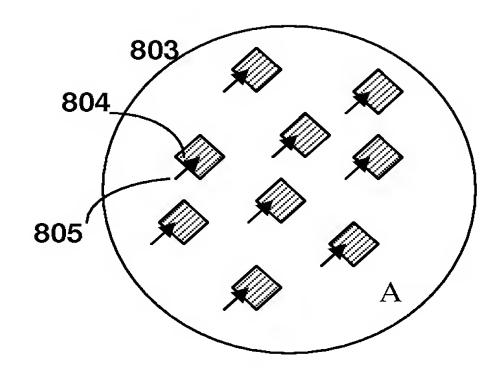
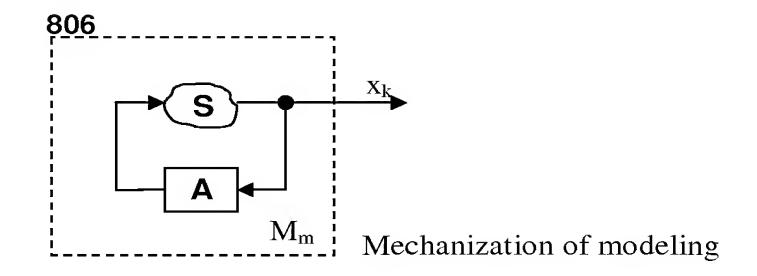


FIG. 7







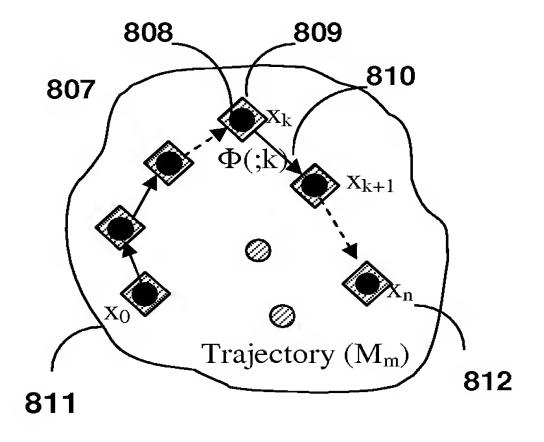
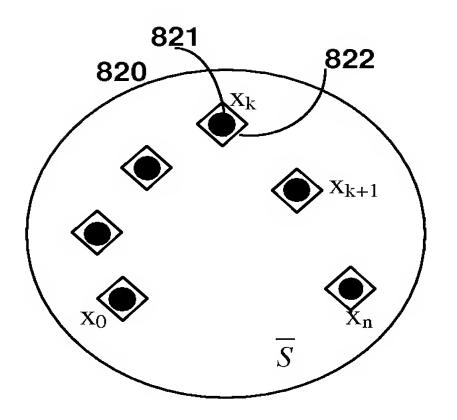
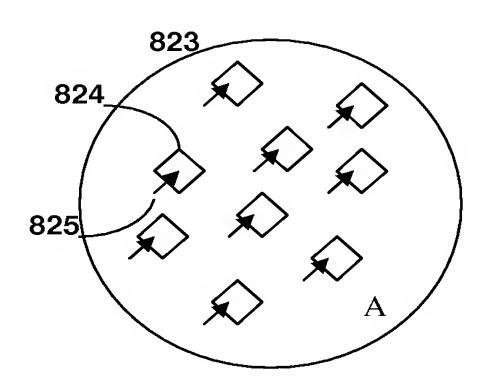
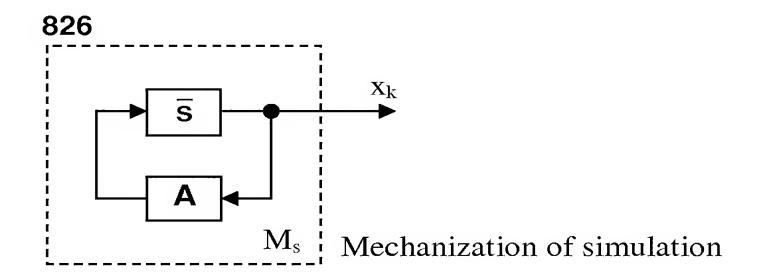
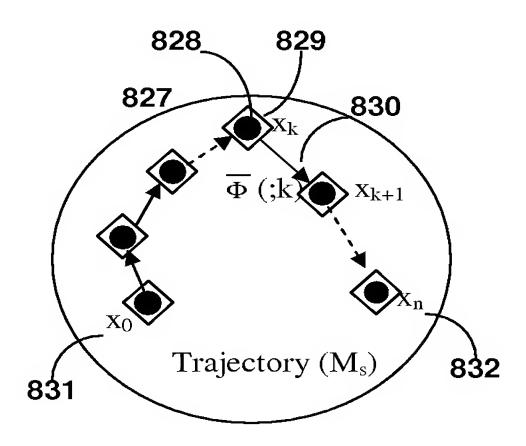


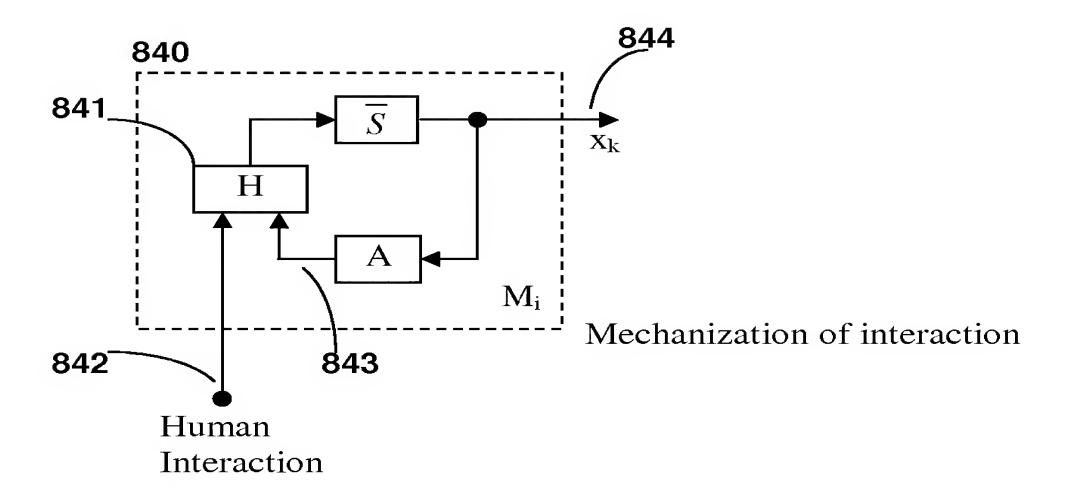
FIG. 8A











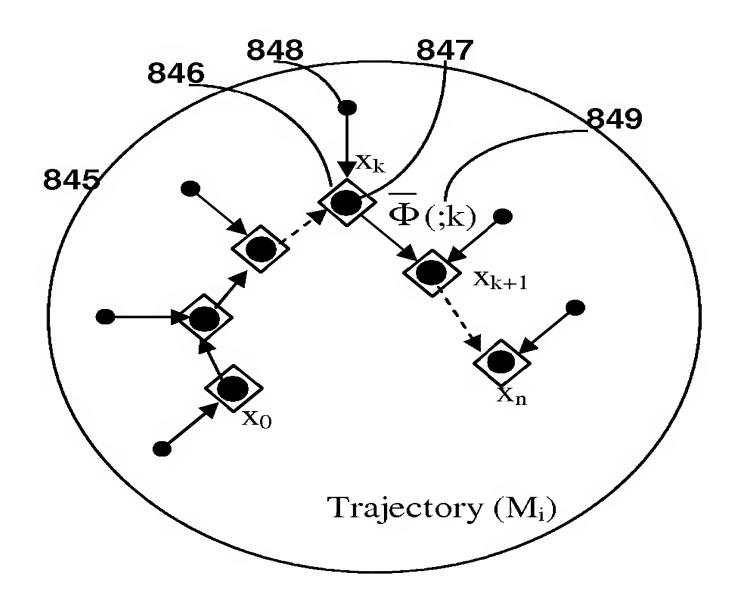
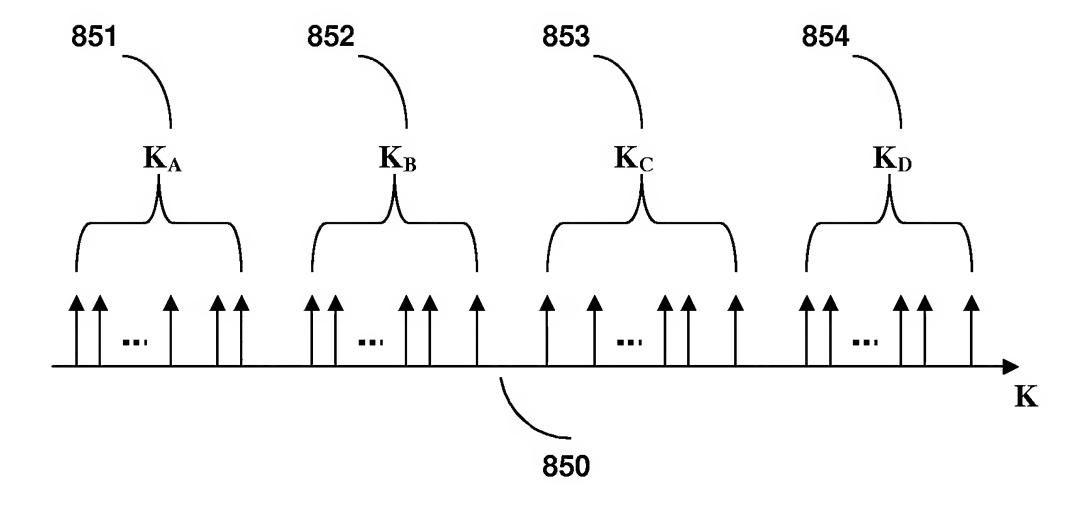


FIG. 8C



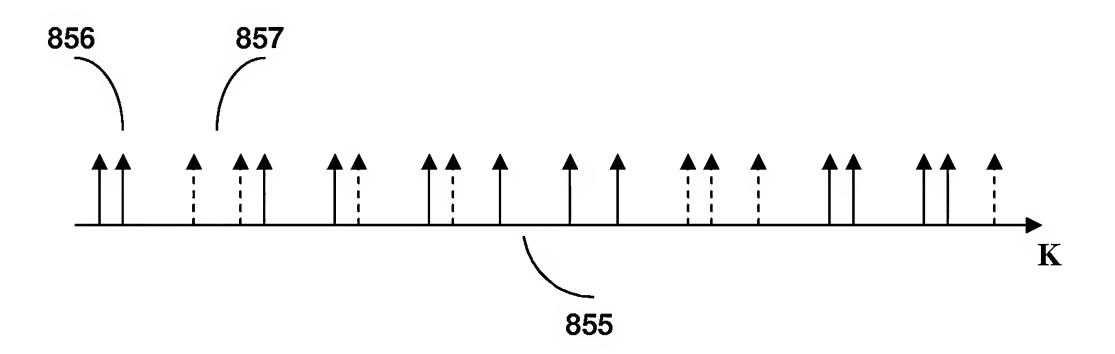
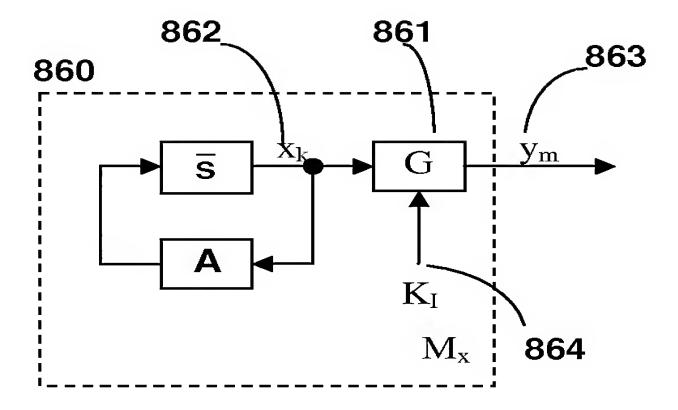


FIG. 8D



Mechanization of indexation

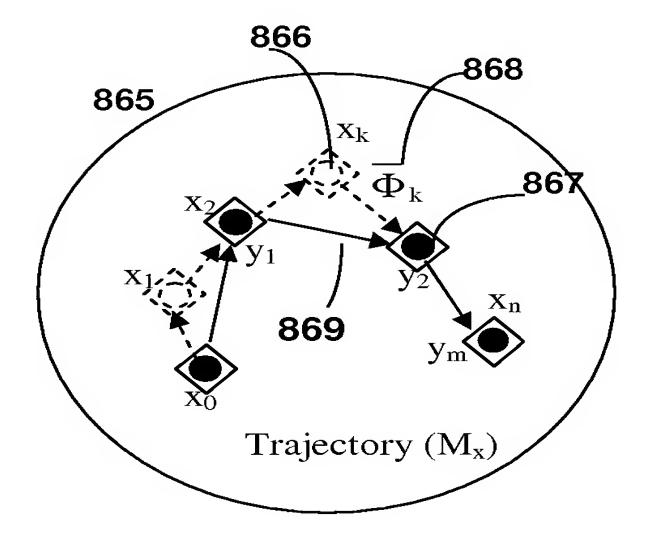
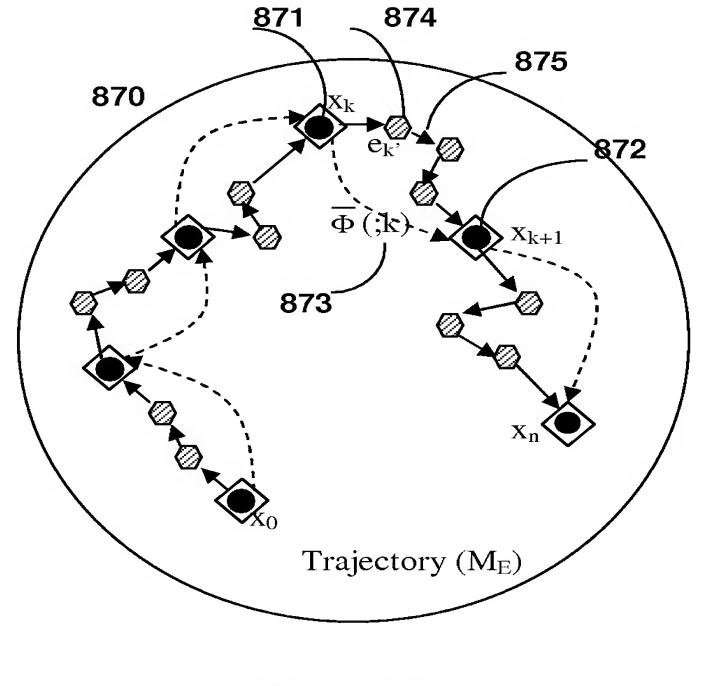
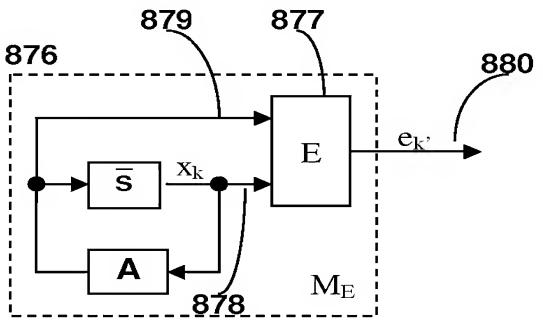


FIG. 8E





Mechanization of extension

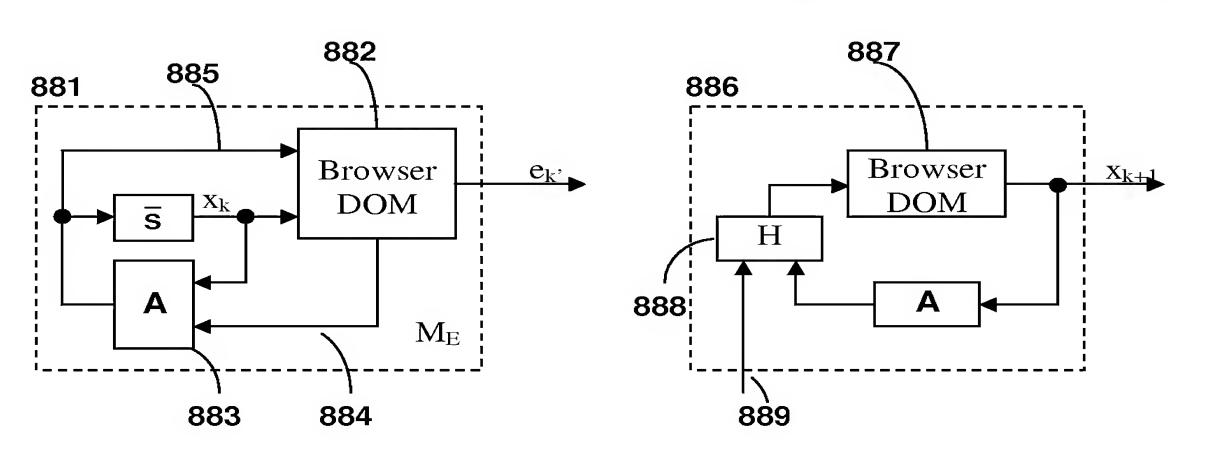
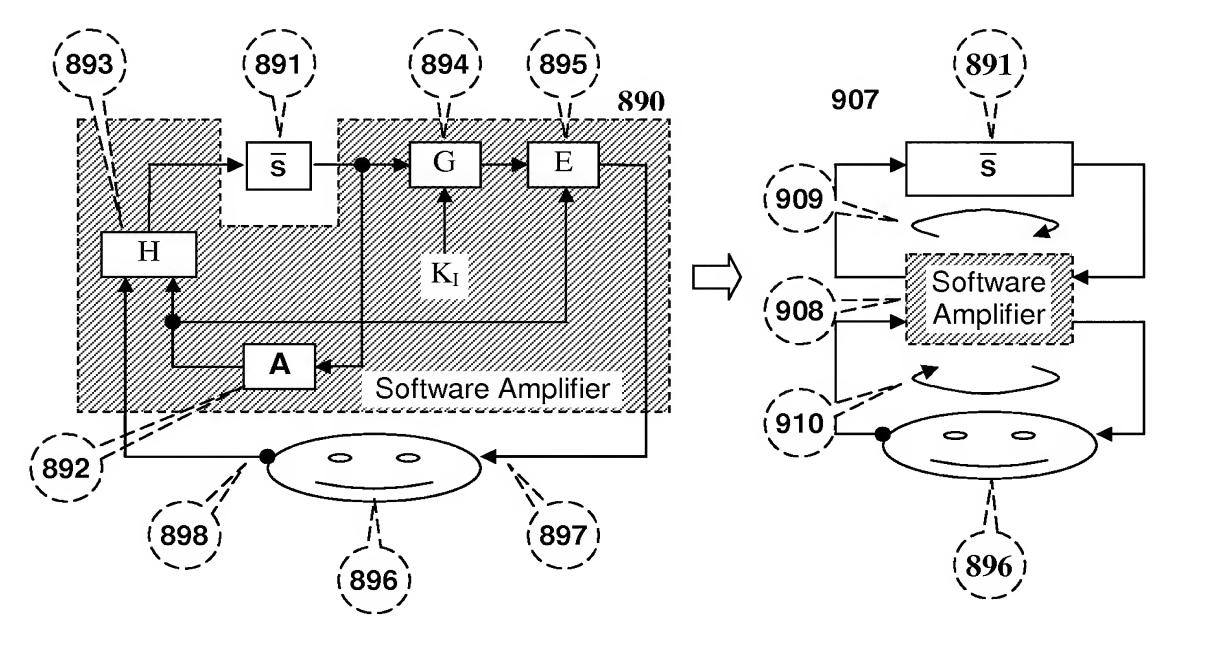


FIG. 8F



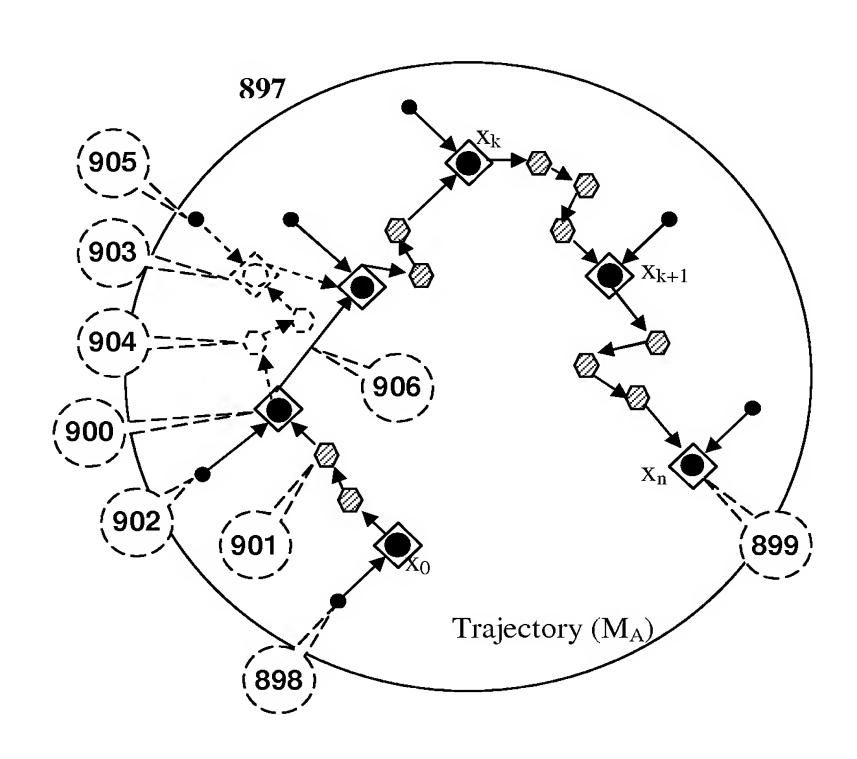


FIG. 8G

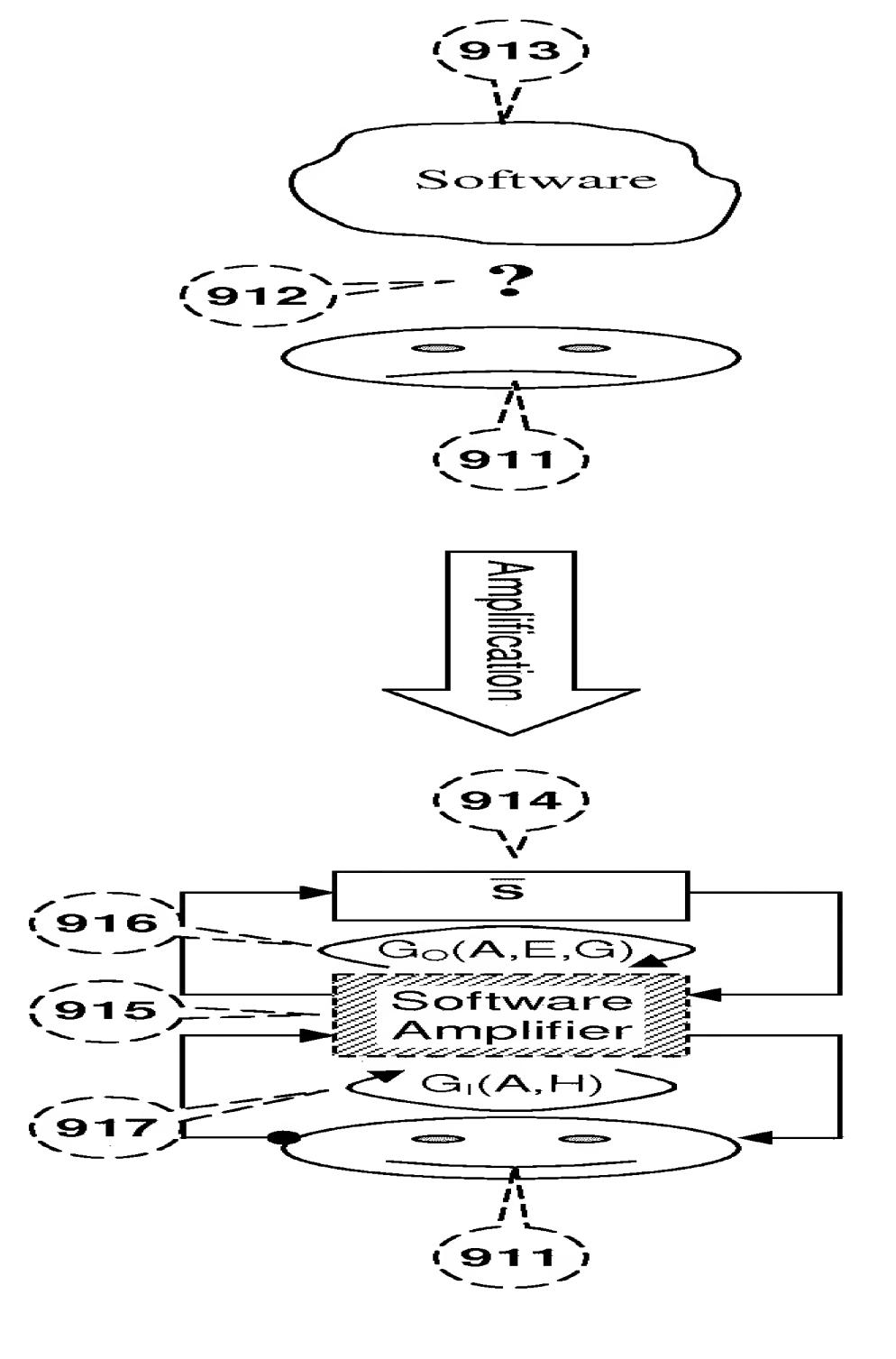


FIG. 8H

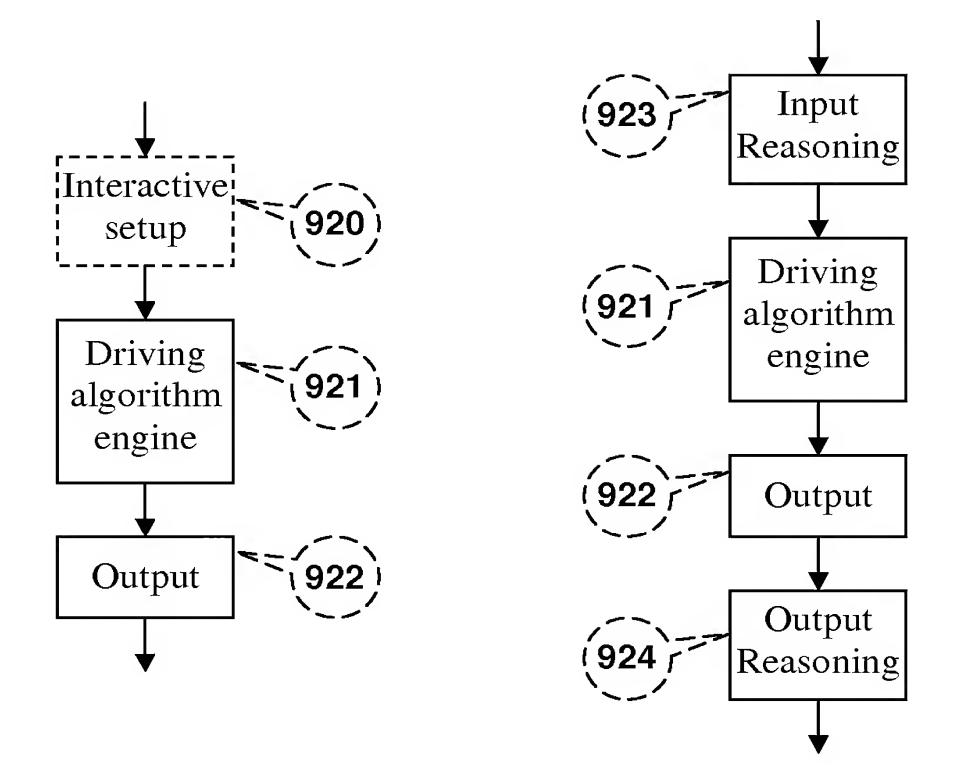


FIG. 81

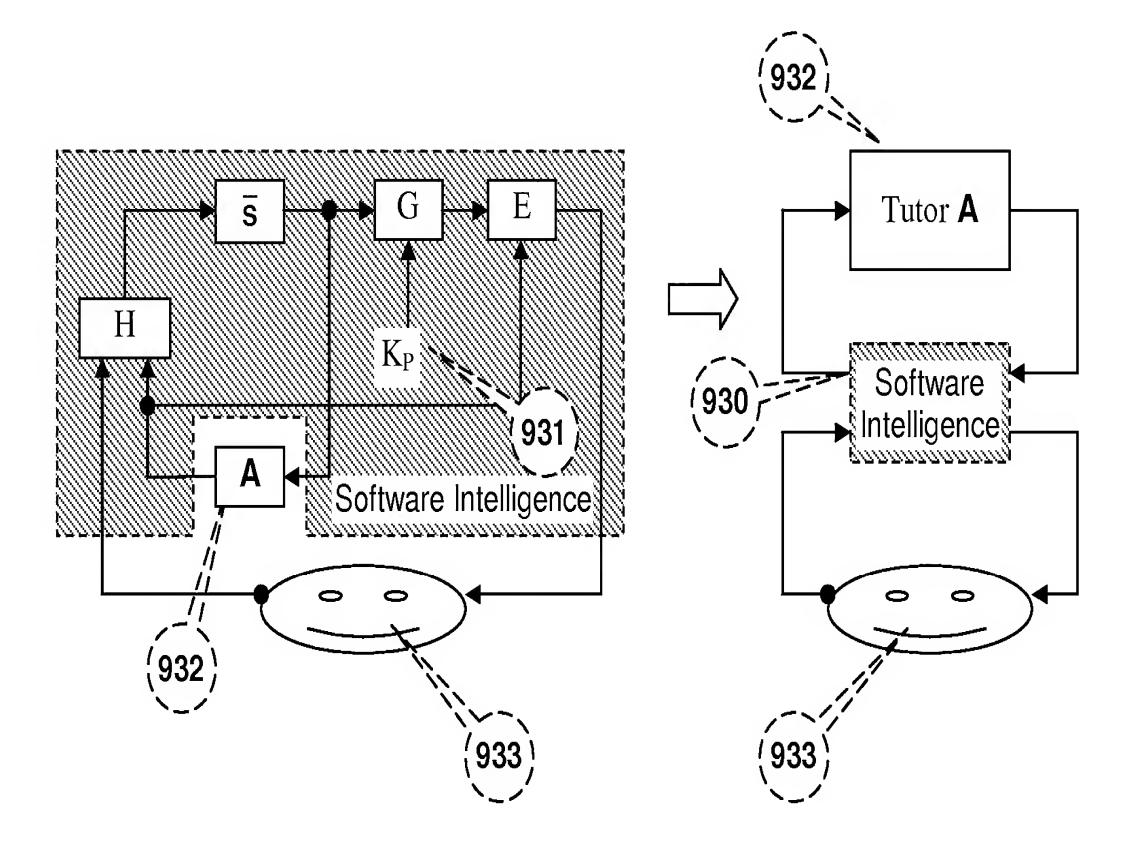


FIG. 8J

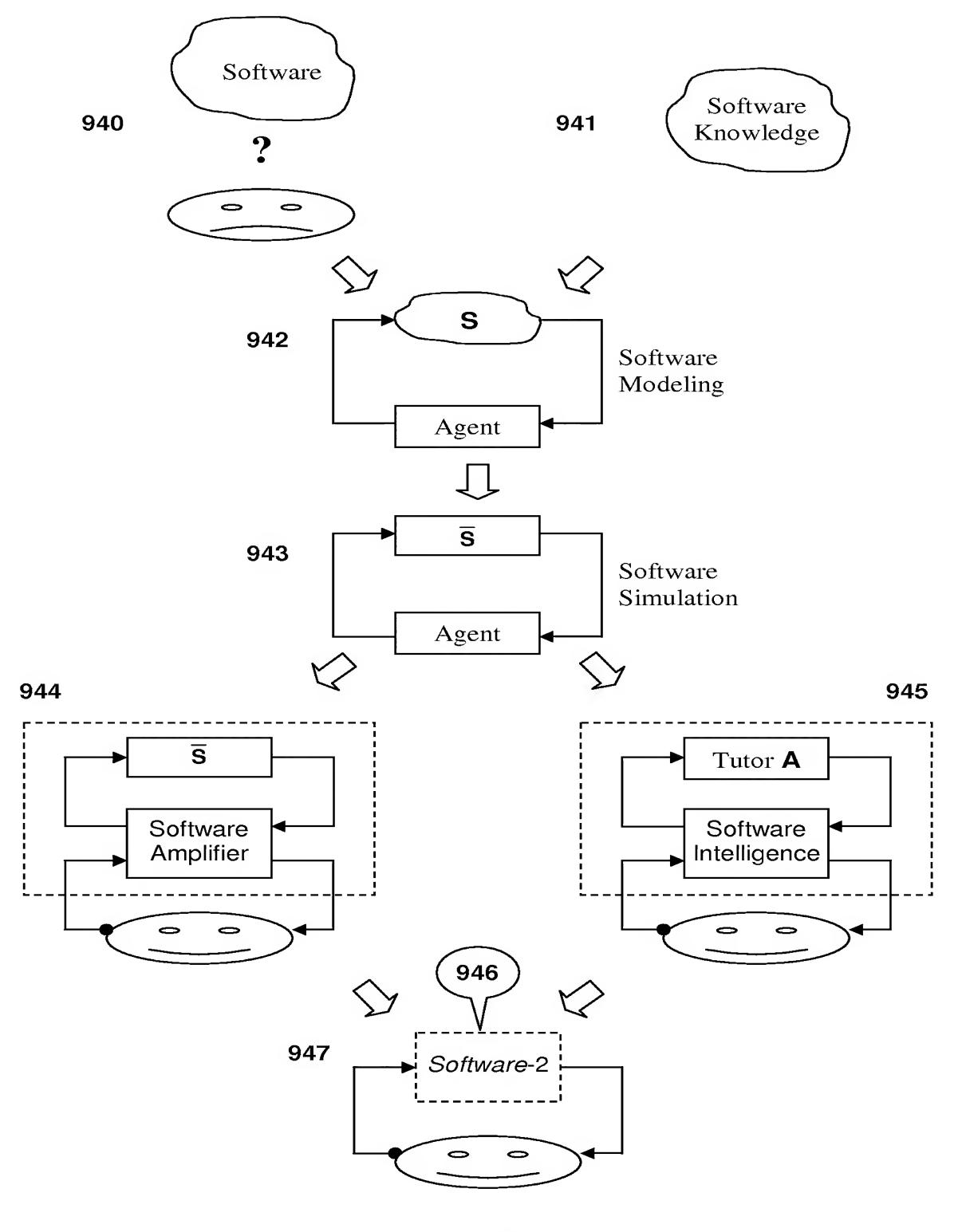


FIG. 9A

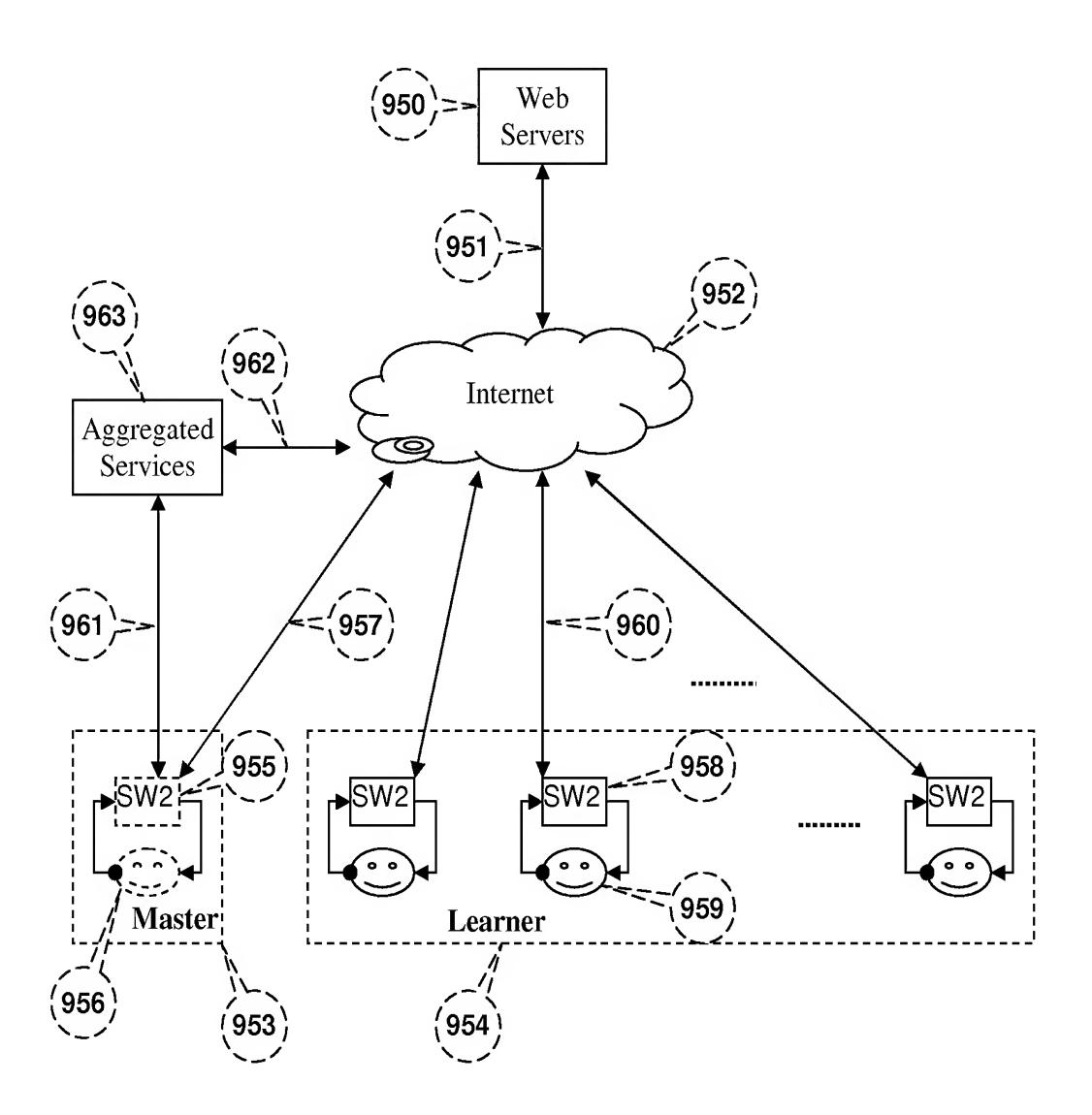
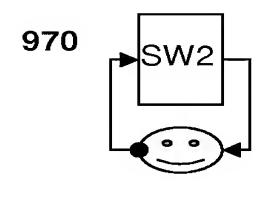
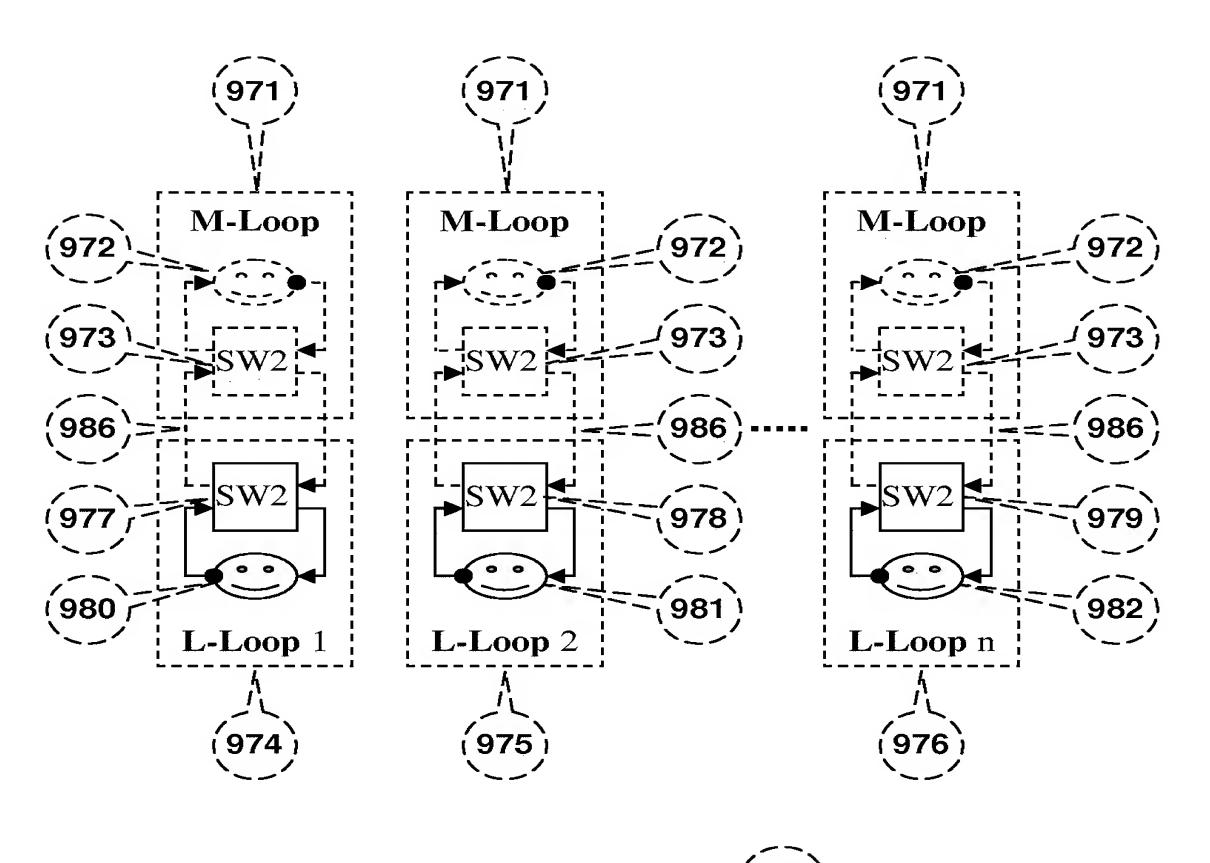


FIG. 9B





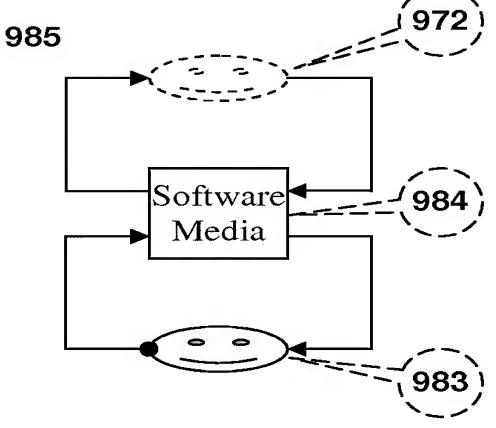


FIG. 9C

